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U.S. NATIONAL INSTITUTES OF HEALTH

# NEW GRANTS AND AWARDS

Arranged by State, City and Institution

Announced During

**JULY and AUGUST 1974**



REPORT 19M

U.S. DEPARTMENT OF  
HEALTH, EDUCATION, AND WELFARE  
Public Health Service



PREPARED BY  
NATIONAL INSTITUTES OF HEALTH  
DIVISION OF RESEARCH GRANTS  
STATISTICS AND ANALYSIS BRANCH



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SYMBOLS USED TO IDENTIFY THE SUPPORTING INSTITUTE OR DIVISION

AI NATIONAL INSTITUTE OF ALLERGY AND INFECTIOUS DISEASES  
 AM NATIONAL INSTITUTE OF ARTHRITIS, METABOLISM, AND DIGESTIVE DISEASES  
 CA NATIONAL CANCER INSTITUTE

CB DIVISION OF CANCER BIOLOGY AND DIAGNOSIS  
 CN OFFICE OF CANCER CONTROL  
 CM DIVISION OF CANCER TREATMENT  
 CP DIVISION OF CANCER CAUSE AND PREVENTION  
 CO OFFICE OF THE DIRECTOR

CL CLINICAL CENTER  
 DE NATIONAL INSTITUTE OF DENTAL RESEARCH  
 ES NATIONAL INSTITUTE OF ENVIRONMENTAL HEALTH SCIENCES  
 EY NATIONAL EYE INSTITUTE  
 GM NATIONAL INSTITUTE OF GENERAL MEDICAL SCIENCES  
 HD NATIONAL INSTITUTE OF CHILD HEALTH AND HUMAN DEVELOPMENT  
 HL NATIONAL HEART AND LUNG INSTITUTE

HV DIVISION OF HEART AND VASCULAR DISEASES  
 HB DIVISION OF BLOOD DISEASES AND RESOURCES  
 HR DIVISION OF LUNG DISEASES  
 HI DIVISION OF INTRAMURAL RESEARCH

LM NATIONAL LIBRARY OF MEDICINE  
 NS NATIONAL INSTITUTE OF NEUROLOGICAL DISEASES AND STROKE  
 OD OFFICE OF THE DIRECTOR, NIH  
 RR DIVISION OF RESEARCH RESOURCES  
 RS DIVISION OF RESEARCH SERVICES  
 TW FOGARTY INTERNATIONAL CENTER



| I/D | RESEARCH GRANTS* |        | RESEARCH CAREER PROGRAM AWARDS |        | R & D CONTRACTS |        | GRANTS AND AWARDS ANNOUNCED DURING JULY AND AUGUST 1974 |        |        |        | MEDICAL LIBRARY GRANTS |        | OTHER AWARDS |        |
|-----|------------------|--------|--------------------------------|--------|-----------------|--------|---------------------------------------------------------|--------|--------|--------|------------------------|--------|--------------|--------|
|     | NUMBER           | AMOUNT | NUMBER                         | AMOUNT | NUMBER          | AMOUNT | NUMBER                                                  | AMOUNT | NUMBER | AMOUNT | NUMBER                 | AMOUNT | NUMBER       | AMOUNT |
|     |                  |        |                                |        |                 |        |                                                         |        |        |        |                        |        |              |        |
| AI  | 37               | 1,265  | 2                              | 50     |                 |        | 8                                                       | 325    | 92     | 1,048  |                        |        |              |        |
| AM  | 69               | 2,227  | 1                              | 20     |                 |        |                                                         |        | 106    | 1,231  |                        |        |              |        |
| CA  | 121              | 8,807  | 17                             | 387    |                 |        |                                                         |        | 19     | 342    |                        |        |              |        |
| CM  |                  |        |                                |        | 2               | 219    |                                                         |        |        |        |                        |        |              |        |
| CC  |                  |        |                                |        | 1               | 659    |                                                         |        |        |        |                        |        |              |        |
| CP  |                  |        |                                |        | 6               | 531    |                                                         |        |        |        |                        |        |              |        |
| DE  |                  |        |                                |        |                 |        | 15                                                      | 883    |        |        |                        |        |              |        |
| ES  | 6                | 589    |                                |        |                 |        |                                                         |        | 38     | 408    |                        |        |              |        |
| EY  | 10               | 452    | 6                              | 215    |                 |        |                                                         |        | 64     | 1,074  |                        |        |              |        |
| GM  | 24               | 1,645  |                                |        |                 |        | 34                                                      | 4,867  | 99     | 1,733  |                        |        |              |        |
| HD  | 56               | 2,108  |                                |        | 3               | 253    | 11                                                      | 656    | 162    | 1,802  |                        |        |              |        |
| HL  | 1                | 30     |                                |        |                 |        | 3                                                       | 208    | 137    | 1,577  |                        |        |              |        |
| LM  |                  |        |                                |        |                 |        |                                                         |        |        |        | 10                     |        | 28           |        |
| NS  | 17               | 668    |                                |        | 2               | 78     |                                                         |        | 4      | 70     |                        |        |              |        |
| RR  | 4                | 586    |                                |        |                 |        |                                                         |        |        |        |                        |        |              |        |
| TW  | 345              | 18,377 | 26                             | 672    | 14              | 1,740  | 71                                                      | 6,939  | 88     | 1,233  | 10                     |        | 28           |        |
|     |                  |        |                                |        |                 |        |                                                         |        | 809    | 10,518 |                        |        |              |        |

INCLUDES DIRECT COST ONLY FOR NIH RESEARCH GRANTS



NIH  
RESEARCH GRANTS \*

| GRANT NUMBER                                                                                                                  | PRINCIPAL INVESTIGATOR                                 | TITLE OF RESEARCH PROPOSAL                                                                                                               | DOLLARS AWARDED            |
|-------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------|----------------------------|
| ALABAMA<br>BIRMINGHAM<br>UNIVERSITY OF ALABAMA IN BIRMINGHAM<br>CA14125-01A2<br>A111970-01                                    | HIRAMOTO, RAYMOND N<br>JOHNSON, BRIAN J                | A MATHEMATICAL MODEL FOR QUANTITATION OF CANCER CELLS<br>COMPLEMENT FIXATION USING SYNTHETIC IGG1 FRAGMENTS                              | 28,478<br>19,720           |
| INSTITUTION TOTAL<br>CITY TOTAL                                                                                               | 2<br>2                                                 | 48,198<br>48,198                                                                                                                         |                            |
| MOBILE<br>UNIVERSITY OF SOUTH ALABAMA<br>AM17616-01                                                                           | MORTILLARO, NICHOLAS A                                 | INTERACTIONS OF THE INTESTINAL STARLING FORCES                                                                                           | 29,335                     |
| INSTITUTION TOTAL<br>CITY TOTAL                                                                                               | 1<br>1                                                 | 29,335<br>29,335                                                                                                                         |                            |
| STATE TOTAL                                                                                                                   | 3                                                      | 77,533                                                                                                                                   | 29,335                     |
| ARIZONA<br>TUCSON<br>UNIVERSITY OF ARIZONA<br>GM21242-01<br>AM17420-01<br>HD08587-01                                          | BOURQUE, DON P<br>HRUBY, VICTOR J<br>NETTING, ROBERT M | BIOCHEMISTRY AND GENETICS OF CHLOROPLAST RIBOSOMES<br>PEPTIDE HORMONE STRUCTURE AND FUNCTION<br>POPULATION REGULATION IN A SWISS VILLAGE | 28,460<br>24,613<br>25,419 |
| INSTITUTION TOTAL<br>CITY TOTAL                                                                                               | 3<br>3                                                 | 78,492<br>78,492                                                                                                                         |                            |
| STATE TOTAL                                                                                                                   | 3                                                      | 78,492                                                                                                                                   |                            |
| CALIFORNIA<br>BERKELEY<br>UNIVERSITY OF CALIFORNIA SYSTEM--UNIVERSITY OF CALIFORNIA AT BERKELEY<br>CA16616-01<br>HD07340-01A1 | BARTLETT, PAUL A<br>TIMIRAS, PAOLA S                   | SYNTHESIS OF MACROCYCLIC NATURAL PRODUCTS<br>MEMBRANOGENESIS IN CRETINISM AND HYPERTHYROIDISM                                            | 25,626<br>36,908           |
| INSTITUTION TOTAL<br>CITY TOTAL                                                                                               | 2<br>2                                                 | 62,534<br>62,534                                                                                                                         |                            |
| DAVIS<br>UNIVERSITY OF CALIFORNIA SYSTEM--UNIVERSITY OF CALIFORNIA AT DAVIS<br>AM17668-01                                     | CURRY, DONALD L                                        | FACTORS CONTROLLING AND MODIFYING INSULIN SECRETION                                                                                      | 29,942                     |
| INSTITUTION TOTAL<br>* INCLUDES DIRECT COST ONLY FOR NIH RESEARCH AWARDS                                                      | 1                                                      | 29,942                                                                                                                                   |                            |

NIH  
RESEARCH GRANTS \*

DOLLARS  
AWARDED

| GRANT NUMBER                                                                       | PRINCIPAL INVESTIGATOR | TITLE OF RESEARCH PROPOSAL                            | DOLLARS AWARDED |
|------------------------------------------------------------------------------------|------------------------|-------------------------------------------------------|-----------------|
| CITY TOTAL                                                                         | 1                      | 29,942                                                |                 |
| CALIFORNIA                                                                         |                        |                                                       |                 |
| IRVINE                                                                             |                        |                                                       |                 |
| UNIVERSITY OF CALIFORNIA SYSTEM--UNIVERSITY OF CALIFORNIA AT IRVINE                |                        |                                                       |                 |
| CA15079-01                                                                         | CROCKER, T TIMOTHY     | NEOPLASIA AND DIFFERENTIATION IN TRACHEAL EPITHELIUM  | 43,492          |
| AM18088-01                                                                         | FELSHER, BERTRAM F     | STUDIES ON HEPATIC BILIRUBIN TRANSPORT                | 27,273          |
| INSTITUTION TOTAL                                                                  | 2                      | 70,765                                                |                 |
| CITY TOTAL                                                                         | 2                      | 70,765                                                |                 |
| LA JOLLA                                                                           |                        |                                                       |                 |
| SALK INSTITUTE FOR BIOLOGICAL STUDIES                                              |                        |                                                       |                 |
| CA17025-01                                                                         | JACOBS, DIANE M        | MODE OF ACTION OF A STIMULATOR OF TUMOR RESISTANCE    | 44,094          |
| INSTITUTION TOTAL                                                                  | 1                      | 44,094                                                |                 |
| SCRIPPS CLINIC AND RESEARCH FOUNDATION                                             |                        |                                                       |                 |
| AM16994-01                                                                         | MC MILLAN, ROBERT      | LYMPHOCYTE FUNCTION IN LUPUS AND RHEUMATOID ARTHRITIS | 36,582          |
| INSTITUTION TOTAL                                                                  | 1                      | 36,582                                                |                 |
| UNIVERSITY OF CALIFORNIA SYSTEM--UNIVERSITY OF CALIFORNIA AT SAN DIEGO             |                        |                                                       |                 |
| AM17103-01                                                                         | CHARTERS, ALEXANDER C  | STUDIES ON THE HUMORAL CONTROL OF LIVER REGENERATION  | 49,642          |
| CA16181-01                                                                         | GREEN, MELVIN H        | ONCOGENIC DNA VIRUS TRANSCRIPTION IN VITRO            | 34,993          |
| CA15694-01                                                                         | HOSTETLER, KARL Y      | MEMBRANE PHOSPHOLIPID METABOLISM IN TUMORS            | 22,779          |
| INSTITUTION TOTAL                                                                  | 3                      | 107,414                                               |                 |
| CITY TOTAL                                                                         | 5                      | 188,090                                               |                 |
| LOS ANGELES                                                                        |                        |                                                       |                 |
| CALIFORNIA STATE UNIVERSITY AND COLLEGES--CALIFORNIA STATE UNIVERSITY, LOS ANGELES |                        |                                                       |                 |
| HD07349-01                                                                         | FITZPATRICK, DAVID     | EFFECTS OF PERINATAL CLOMIPHENE ON SEXUAL BEHAVIOR    | 10,053          |
| INSTITUTION TOTAL                                                                  | 1                      | 10,053                                                |                 |
| CEDARS-SINAI MEDICAL CENTER                                                        |                        |                                                       |                 |
| CA15924-01                                                                         | ARIEFF, ALLEN I        | TREATMENT OF BRAIN EDEMA DUE TO METASTATIC CANCER     | 41,792          |
| INSTITUTION TOTAL                                                                  | 1                      | 41,792                                                |                 |
| CEDARS-SINAI MEDICAL CENTER--MOUNT SINAI HOSPITAL                                  |                        |                                                       |                 |
| CA15735-01                                                                         | KATZ, JOSEPH           | METABOLISM & REDUCING EQUIVALENTS IN ASCITES TUMOR    | 8,218           |
| INSTITUTION TOTAL                                                                  | 1                      | 8,218                                                 |                 |

\* INCLUDES DIRECT COST ONLY FOR NIH RESEARCH AWARDS

NIH  
RESEARCH GRANTS \*

| GRANT NUMBER                                                               | PRINCIPAL INVESTIGATOR | TITLE OF RESEARCH PROPOSAL                             | DOLLARS AWARDED |
|----------------------------------------------------------------------------|------------------------|--------------------------------------------------------|-----------------|
| <b>CALIFORNIA</b>                                                          |                        |                                                        |                 |
| <b>LOS ANGELES</b>                                                         |                        |                                                        |                 |
| UNIVERSITY OF CALIFORNIA SYSTEM--UNIVERSITY OF CALIFORNIA AT LOS ANGELES   |                        |                                                        |                 |
| HD07323-01                                                                 | BECKMAN, LINDA J       | MOTIVATIONS, ROLES, & FAMILY PLANNING OF WOMEN         | 72,366          |
| GM21746-01                                                                 | EVANS, DAVID A         | PROSTAGLANDIN SYNTHESIS                                | 38,050          |
| CA16913-01                                                                 | KWAN, CATHERINE N      | THE PROCESSING OF RIBONUCLEIC ACID IN EUCARYOTIC CELLS | 27,388          |
| AM17425-01                                                                 | PUHVEL, S MADLI        | ACNE: STUDIES ON ISOLATED SEBACEOUS FOLLICLES          | 46,547          |
| CA14648-01A1                                                               | WATSMAN, JERRY J       | EPITHELIAL ATYPIA AND CANCER OF THE URINARY BLADDER    | 24,222          |
| INSTITUTION TOTAL                                                          | 5                      | 208,573                                                |                 |
| <b>UNIVERSITY OF SOUTHERN CALIFORNIA</b>                                   |                        |                                                        |                 |
| CA14730-01                                                                 | MATTEOLI, GASTONE      | STUDY ON VIRUS INDUCED LEUKEMIC STEM CELLS             | 65,968          |
| CA16946-01                                                                 | O'BRIEN, RICHARD L     | DEFECTIVE DNA IN FANCONI'S ANEMIA                      | 37,962          |
| INSTITUTION TOTAL                                                          | 2                      | 103,930                                                |                 |
| CITY TOTAL                                                                 | 10                     | 372,566                                                |                 |
| <b>MENLO PARK</b>                                                          |                        |                                                        |                 |
| STANFORD RESEARCH INSTITUTE                                                |                        |                                                        |                 |
| AM17772-01                                                                 | GLICK, DAVID           | QUANTITATIVE HISTOCHEMISTRY OF GASTRIC ACID SECRETION  | 56,099          |
| ES01079-01                                                                 | STEPHENS, ROBERT J     | RESPONSE OF FETAL AND POSTNATAL LUNGS TO O3 AND NO2    | 44,300          |
| INSTITUTION TOTAL                                                          | 2                      | 100,399                                                |                 |
| CITY TOTAL                                                                 | 2                      | 100,399                                                |                 |
| <b>OAKLAND</b>                                                             |                        |                                                        |                 |
| CHILDREN'S HOSPITAL MEDICAL CENTER OF NORTHERN CALIFORNIA                  |                        |                                                        |                 |
| AM17489-01                                                                 | SMITH, STUART          | FATTY ACID SYNTHESIS: CHAIN LENGTH MODIFIER PROTEIN    | 15,000          |
| INSTITUTION TOTAL                                                          | 1                      | 15,000                                                 |                 |
| CITY TOTAL                                                                 | 1                      | 15,000                                                 |                 |
| <b>SAN FRANCISCO</b>                                                       |                        |                                                        |                 |
| UNIVERSITY OF CALIFORNIA SYSTEM--UNIVERSITY OF CALIFORNIA AT SAN FRANCISCO |                        |                                                        |                 |
| AM17785-01                                                                 | DEAL, DAVEY R          | BILE SALT TRANSPORT IN HEPATOCYTES                     | 44,238          |
| CA15605-01                                                                 | EPSTEIN, JOHN H        | CHEMOTHERAPEUTIC AGENTS AND ULTRAVIOLET CARCINOGENESIS | 27,228          |
| CA14508-01A1                                                               | EPSTEIN, LOIS B        | THE ROLE OF INTERFERON IN HUMAN IMMUNITY TO TUMORS     | 18,544          |
| NS11529-01A1                                                               | FIELDS, HOWARD L       | SPINORETICULAR MECHANISMS IN PAIN SENSATION            | 58,832          |
| INSTITUTION TOTAL                                                          | 4                      | 148,842                                                |                 |
| CITY TOTAL                                                                 | 4                      | 148,842                                                |                 |

\* INCLUDES DIRECT COST ONLY FOR NIH RESEARCH AWARDS

NIH  
RESEARCH GRANTS \*

| GRANT NUMBER                                                                                       | PRINCIPAL INVESTIGATOR                   | TITLE OF RESEARCH PROPOSAL                                                                                         | DOLLARS AWARDED  |
|----------------------------------------------------------------------------------------------------|------------------------------------------|--------------------------------------------------------------------------------------------------------------------|------------------|
| CALIFORNIA<br>STANFORD<br>STANFORD UNIVERSITY<br>NS12079-01<br>HD08339-01                          | CUTLER, ROBERT W<br>DEMENT, WILLIAM C    | MECHANISMS OF NEUROTRANSMITTER RELEASE<br>SUDDEN INFANT DEATH SYNDROME AND SLEEP APNEA                             | 56,365<br>79,927 |
| INSTITUTION TOTAL<br>CITY TOTAL                                                                    | 2<br>2                                   | 136,292<br>136,292                                                                                                 |                  |
| STATE TOTAL                                                                                        | 29                                       | 1,124,430                                                                                                          |                  |
| COLORADO<br>BOULDER<br>UNIVERSITY OF COLORADO<br>CA15305-01                                        | HAM, RICHARD G                           | EFFECT OF MALIGNANCY ON CELL GROWTH REQUIREMENTS                                                                   | 96,825           |
| INSTITUTION TOTAL<br>CITY TOTAL                                                                    | 1<br>1                                   | 96,825<br>96,825                                                                                                   |                  |
| DENVER<br>UNIVERSITY OF COLORADO MEDICAL CENTER<br>A111906-01<br>HD07773-01                        | WALTERS, CURLA S<br>WENGER, DAVID A      | IMMUNOLOGICAL REACTIONS TO HAPTENS ON AUTOLOGOUS CARRIER<br>B-GALACTOSIDASE ACTIVITY RELATED TO MENTAL RETARDATION | 46,130<br>21,102 |
| INSTITUTION TOTAL<br>CITY TOTAL                                                                    | 2<br>2                                   | 67,232<br>67,232                                                                                                   |                  |
| FORT COLLINS<br>COLORADO STATE UNIVERSITY<br>CA15028-01                                            | OSTERYOUNG, JANET G                      | ELECTROCHEMICAL ANALYSIS FOR CARCINOGENIC NITROSAMINES                                                             | 15,256           |
| INSTITUTION TOTAL<br>CITY TOTAL                                                                    | 1<br>1                                   | 15,256<br>15,256                                                                                                   |                  |
| STATE TOTAL                                                                                        | 4                                        | 179,313                                                                                                            |                  |
| CONNECTICUT<br>FARMINGTON<br>UNIVERSITY OF CONNECTICUT HEALTH CENTER<br>AM17645-01<br>GM20926-01A1 | HINTZ, RAYMOND L<br>QUACKENBUSH, LARRY E | SOMATOMEDIN: IN VIVO AND IN VITRO ACTIONS<br>LYSOSOMAL MEMBRANES: CHEMICAL COMPOSITION                             | 18,955<br>34,920 |
| INSTITUTION TOTAL                                                                                  | 2                                        | 53,875                                                                                                             |                  |

\* INCLUDES DIRECT COST ONLY FOR NIH RESEARCH AWARDS

NIH  
RESEARCH GRANTS \*DOLLARS  
AWARDED

| GRANT NUMBER                                                                    | PRINCIPAL INVESTIGATOR | TITLE OF RESEARCH PROPOSAL                                                                   | DOLLARS AWARDED  |
|---------------------------------------------------------------------------------|------------------------|----------------------------------------------------------------------------------------------|------------------|
| CITY TOTAL                                                                      | 2                      | 53,875                                                                                       |                  |
| CONNECTICUT<br>MIDDLETOWN<br>WESLEYAN UNIVERSITY<br>GM21063-01                  | WHITE, ROBERT D        | THE INTERACTION OF SOUND WITH PROTEINS                                                       | 20,100           |
| INSTITUTION TOTAL                                                               | 1                      | 20,100                                                                                       |                  |
| CITY TOTAL                                                                      | 1                      | 20,100                                                                                       |                  |
| NEW HAVEN<br>YALE UNIVERSITY                                                    | ASKENASE, PHILIP W     | IMMUNOLOGY OF CUTANEOUS BASOPHIL HYPERSENSITIVITY                                            | 28,283           |
| AI12211-01                                                                      | BERTINO, JOSEPH R      | CANCER CENTER SUPPORT GRANT                                                                  | 982,425          |
| CA16359-01                                                                      | COLE, JACK W           | TRANSPLANTABLE CHEMICALLY INDUCED COLON CANCER                                               | 24,120           |
| CA15639-01                                                                      | DOWNING, S EVANS       | CHEMOSENSITIVE SYSTEMS IN SUDDEN INFANT DEATH                                                | 30,536           |
| HD07276-01A2                                                                    | HAYSLETT, JOHN P       | CARDIOVASCULAR AND METABOLIC ASPECTS OF RENAL FUNCTION                                       | 48,640           |
| AM18061-01                                                                      | PALADE, GEORGE E       | RESEARCH CENTER ON CELLULAR MEMBRANES                                                        | 634,367          |
| GM21714-01                                                                      | SAUNDERS, MARTIN       | SOUTHERN NEW ENGLAND HIGH FIELD NMR FACILITY                                                 | 300,206          |
| RR00798-01                                                                      | WEISSMAN, SHERMAN M    | PROGRAM ON THE MOLECULAR BASIS OF VIRAL TRANSFORMATION                                       | 558,849          |
| CA16038-01                                                                      |                        |                                                                                              |                  |
| INSTITUTION TOTAL                                                               | 8                      | 2,607,426                                                                                    |                  |
| CITY TOTAL                                                                      | 8                      | 2,607,426                                                                                    |                  |
| STATE TOTAL                                                                     | 11                     | 2,681,401                                                                                    |                  |
| DIST OF COL<br>WASHINGTON<br>AMERICAN INSTITUTES<br>FOR RESEARCH<br>HD07268-01  | DAVID, HENRY P         | CONTRACEPTION, ABORTION AND COUPLE DECISION-MAKING                                           | 48,520           |
| INSTITUTION TOTAL                                                               | 1                      | 48,520                                                                                       |                  |
| CATHOLIC UNIVERSITY<br>OF AMERICA<br>ZON, GERALD<br>CA16158-01                  |                        | SYNTHESIS AND STEREOCHEMISTRY OF NEW ANTICANCER DRUGS                                        | 18,833           |
| INSTITUTION TOTAL                                                               | 1                      | 18,833                                                                                       |                  |
| GEORGE WASHINGTON UNIVERSITY<br>EDWARDS, GORDON S<br>CA14784-01A1<br>CA14941-01 | MC GOWAN, LARRY        | CARCINOGEN EFFECTS ON NUCLEAR PROTEINS<br>EPIDEMIOLOGIC STUDY OF PRIMARY CANCER OF THE OVARY | 47,208<br>30,999 |
| INSTITUTION TOTAL                                                               | 2                      | 78,207                                                                                       |                  |

\* INCLUDES DIRECT COST ONLY FOR NIH RESEARCH AWARDS

NIH  
RESEARCH GRANTS \*

| GRANT NUMBER                                                                                    | PRINCIPAL INVESTIGATOR  | TITLE OF RESEARCH PROPOSAL                              | DOLLARS AWARDED |
|-------------------------------------------------------------------------------------------------|-------------------------|---------------------------------------------------------|-----------------|
| DIST OF COL                                                                                     |                         |                                                         |                 |
| WASHINGTON                                                                                      |                         |                                                         |                 |
| SMITHSONIAN INSTITUTION                                                                         |                         |                                                         |                 |
| HD07817-01                                                                                      | HOROWITZ, DONALD L      | ETHNIC POLITICS AND POPULATION COMPOSITION              | 42,018          |
| INSTITUTION TOTAL                                                                               | 1                       |                                                         | 42,018          |
| CITY TOTAL                                                                                      | 5                       |                                                         | 187,578         |
| STATE TOTAL                                                                                     | 5                       |                                                         | 187,578         |
| FLORIDA                                                                                         |                         |                                                         |                 |
| CORAL GABLES                                                                                    |                         |                                                         |                 |
| UNIVERSITY OF MIAMI                                                                             |                         |                                                         |                 |
| CA15408-01                                                                                      | MORTON, JULIA F         | REPORT ON CURRENT PLANT REMEDIES OF MIDDLE AMERICA      | 11,852          |
| INSTITUTION TOTAL                                                                               | 1                       |                                                         | 11,852          |
| CITY TOTAL                                                                                      | 1                       |                                                         | 11,852          |
| GAINESVILLE                                                                                     |                         |                                                         |                 |
| STATE UNIVERSITY OF FLORIDA SYSTEM--UNIVERSITY OF FLORIDA                                       |                         |                                                         |                 |
| EY01395-01                                                                                      | GEBHARDT, BRYAN M       | PROLONGATION OF CORNEA ALLOGRAFT SURVIVAL BY ANTIBODY   | 35,000          |
| AI12176-01                                                                                      | GEBHARDT, BRYAN M       | F1 HYBRID LYMPHOCYTE STIMULATION BY PARENTAL CELLS      | 24,574          |
| AM18130-01                                                                                      | MERIMEE, THOMAS J       | INSULIN AND HGH: SECRETION AND METABOLIC ACTIONS        | 38,775          |
| INSTITUTION TOTAL                                                                               | 3                       |                                                         | 98,349          |
| CITY TOTAL                                                                                      | 3                       |                                                         | 98,349          |
| MIAMI                                                                                           |                         |                                                         |                 |
| PAPANICOLAOU CANCER RESEARCH INSTITUTE                                                          |                         |                                                         |                 |
| CA15196-01                                                                                      | AHMAD, FAZAL            | REGULATION OF FATTY ACID BIOSYNTHESIS IN MAMMARY TUMORS | 39,603          |
| INSTITUTION TOTAL                                                                               | 1                       |                                                         | 39,603          |
| CITY TOTAL                                                                                      | 1                       |                                                         | 39,603          |
| VERO BEACH                                                                                      |                         |                                                         |                 |
| FLORIDA DEPARTMENT OF HEALTH AND REHABILITATIVE SERVICES--FLORIDA MEDICAL ENTOMOLOGY LABORATORY |                         |                                                         |                 |
| AI11921-01                                                                                      | BIDLINGMAYER, WILLIAM L | MOSQUITO FLIGHT PATHS IN RELATION TO THE ENVIRONMENT    | 35,028          |
| INSTITUTION TOTAL                                                                               | 1                       |                                                         | 35,028          |
| CITY TOTAL                                                                                      | 1                       |                                                         | 35,028          |
| STATE TOTAL                                                                                     | 6                       |                                                         | 184,832         |

\* INCLUDES DIRECT COST ONLY FOR NIH RESEARCH AWARDS

NIH  
RESEARCH GRANTS \*

DOLLARS  
AWARDED

| GRANT NUMBER                                               | PRINCIPAL INVESTIGATOR | TITLE OF RESEARCH PROPOSAL                             |         |
|------------------------------------------------------------|------------------------|--------------------------------------------------------|---------|
| <b>GEORGIA</b>                                             |                        |                                                        |         |
| <b>ATHENS</b>                                              |                        |                                                        |         |
| UNIVERSITY SYSTEM OF GEORGIA--UNIVERSITY OF GEORGIA        |                        |                                                        |         |
| CA14153-01A1                                               | STAMMER, CHARLES H     | CYCLOASPARAGINE AND CYCLOGLUTAMINE                     | 13,647  |
| AM17006-01                                                 | WAMPLER, JOHN E        | INSTRUMENTAL METHODS AND PYRIDOXAL CATALYSIS           | 17,231  |
| INSTITUTION TOTAL                                          | 2                      | 30,878                                                 |         |
| CITY TOTAL                                                 | 2                      | 30,878                                                 |         |
| <b>ATLANTA</b>                                             |                        |                                                        |         |
| EMORY UNIVERSITY                                           |                        |                                                        |         |
| AM17403-01                                                 | DI GIROLAMO, MARIO     | CONTROL MECHANISMS OF GLUCOSE METABOLISM IN FAT CELLS  | 25,415  |
| CA15656-01                                                 | GRAHAM, CHARLES E      | CARCINOGENIC ACTION OF ESTROGENS IN PRIMATES           | 65,448  |
| NS11949-01                                                 | LETBETTER, WILLIAM D   | ANATOMICAL BASIS OF SPINAL SENSORY-MOTOR ORGANIZATION  | 31,596  |
| HD08230-01                                                 | MILLS, JOHN B, III     | BIOCHEMISTRY OF PROLACTIN ACTIVITY                     | 21,886  |
| INSTITUTION TOTAL                                          | 4                      | 144,345                                                |         |
| CITY TOTAL                                                 | 4                      | 144,345                                                |         |
| <b>AUGUSTA</b>                                             |                        |                                                        |         |
| UNIVERSITY SYSTEM OF GEORGIA--MEDICAL COLLEGE OF GEORGIA   |                        |                                                        |         |
| AM17650-01                                                 | MULDOON, THOMAS G      | FACTORS: CONTROLLING STEROID HORMONE RECEPTOR ACTIVITY | 21,305  |
| INSTITUTION TOTAL                                          | 1                      | 21,305                                                 |         |
| CITY TOTAL                                                 | 1                      | 21,305                                                 |         |
| STATE TOTAL                                                | 7                      | 196,528                                                |         |
| <b>HAWAII</b>                                              |                        |                                                        |         |
| <b>HONOLULU</b>                                            |                        |                                                        |         |
| UNIVERSITY OF HAWAII SYSTEM--UNIVERSITY OF HAWAII AT MANOA |                        |                                                        |         |
| HD08693-01                                                 | HALSTEAD, SCOTT B      | INFECTION ENHANCEMENT--AN EXPERIMENTAL MODEL OF AIDS   | 36,763  |
| HD07879-01A1                                               | JACOBS, PATRICIA A     | A PROGRAM OF RESEARCH IN POPULATION CYTOGENETICS       | 127,500 |
| CA15655-01                                                 | LEE, RICHARD K         | CANCER CENTER SUPPORT GRANT                            | 575,000 |
| INSTITUTION TOTAL                                          | 3                      | 739,263                                                |         |
| CITY TOTAL                                                 | 3                      | 739,263                                                |         |
| STATE TOTAL                                                | 3                      | 739,263                                                |         |
| <b>ILLINOIS</b>                                            |                        |                                                        |         |
| <b>CHICAGO</b>                                             |                        |                                                        |         |
| ILLINOIS INSTITUTE OF TECHNOLOGY                           |                        |                                                        |         |
| CA16370-01                                                 | MOON, RICHARD C        | CHEMICAL CARCINOGENESIS OF THE COLON                   | 34,783  |

\* INCLUDES DIRECT COST ONLY FOR NIH RESEARCH AWARDS

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| GRANT NUMBER                                                                | PRINCIPAL INVESTIGATOR | TITLE OF RESEARCH PROPOSAL                              | DOLLARS AWARDED |
|-----------------------------------------------------------------------------|------------------------|---------------------------------------------------------|-----------------|
| INSTITUTION TOTAL                                                           | 1                      | 34,783                                                  |                 |
| ILLINOIS<br>CHICAGO                                                         |                        |                                                         |                 |
| NORTHWESTERN UNIVERSITY                                                     | CHEN, CHIADAO          | MODE OF ACTION OF CHEMICAL CARCINOGENESIS               | 31,049          |
| CA15030-01                                                                  |                        |                                                         |                 |
| INSTITUTION TOTAL                                                           | 1                      | 31,049                                                  |                 |
| UNIVERSITY OF CHICAGO                                                       |                        |                                                         |                 |
| CA15777-01                                                                  | ENKER, WARREN E        | EXPERIMENTAL COLONIC CARCINOMA - IMMUNOLOGIC EVALUATION | 33,075          |
| AM17719-01                                                                  | GILL, WILLIAM B        | CALCIUM OXALATE SUPERSATURATION AND CRYSTALLIZATION     | 33,564          |
| INSTITUTION TOTAL                                                           | 2                      | 66,639                                                  |                 |
| UNIVERSITY OF ILLINOIS SYSTEM--UNIVERSITY OF ILLINOIS AT THE MEDICAL CENTER |                        |                                                         |                 |
| CA14878-01                                                                  | DAS GUPTA, TAPAS K     | EXPLORATORY STUDIES IN CANCER RESEARCH                  | 22,951          |
| NS09891-01A1                                                                | LEWY, ROBERT B         | INJECTED PARALYZED VOCAL CORD: LONG-TERM EFFECTS        | 24,590          |
| AI12142-01                                                                  | MOLNAR, JANOS          | BIOCHEMICAL STUDIES OF A MAJOR OPSONIC PROTEIN          | 20,138          |
| CA17036-01                                                                  | TAO, MARIANO           | PHOSPHORYLATION OF ADENOVIRAL-ASSOCIATED PROTEINS       | 27,133          |
| INSTITUTION TOTAL                                                           | 4                      | 94,812                                                  |                 |
| CITY TOTAL                                                                  | 8                      | 227,283                                                 |                 |
| EVANSTON                                                                    |                        |                                                         |                 |
| NORTHWESTERN UNIVERSITY                                                     |                        |                                                         |                 |
| HD08450-01                                                                  | SRIDHARA, S            | RNA POLYMERASES DURING CELLULAR DIFFERENTIATION         | 24,347          |
| INSTITUTION TOTAL                                                           | 1                      | 24,347                                                  |                 |
| CITY TOTAL                                                                  | 1                      | 24,347                                                  |                 |
| URBANA                                                                      |                        |                                                         |                 |
| UNIVERSITY OF ILLINOIS SYSTEM--UNIVERSITY OF ILLINOIS AT URBANA             |                        |                                                         |                 |
| HD07532-01                                                                  | SIMON, JULIAN L        | FERTILITY EFFECT OF INCOME ON VARIOUS BIRTH ORDERS      | 14,207          |
| INSTITUTION TOTAL                                                           | 1                      | 14,207                                                  |                 |
| CITY TOTAL                                                                  | 1                      | 14,207                                                  |                 |
| STATE TOTAL                                                                 | 10                     | 265,837                                                 |                 |
| INDIANA                                                                     |                        |                                                         |                 |
| LAFAYETTE                                                                   |                        |                                                         |                 |
| PURDUE UNIVERSITY                                                           |                        |                                                         |                 |
| GM21368-01                                                                  | AXELROD, BERNARD       | ROLE OF LYSSOMAL L-TARTRATE-INHIBITABLE PHOSPHATASE     | 15,790          |

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| GRANT NUMBER                                                            | PRINCIPAL INVESTIGATOR               | TITLE OF RESEARCH PROPOSAL                                                                         | DOLLARS AWARDED   |
|-------------------------------------------------------------------------|--------------------------------------|----------------------------------------------------------------------------------------------------|-------------------|
| INDIANA<br>LAFAYETTE<br>PURDUE UNIVERSITY<br>RR00782-01<br>AM11270-01A2 | MORTER, RAYMOND L<br>SIMON, EDWARD H | IMPROVEMENT OF INSTITUTIONAL ANIMAL RESOURCES<br>INTERFERON: PRODUCTION AND ACTION IN SINGLE CELLS | 123,013<br>29,937 |
| INSTITUTION TOTAL<br>CITY TOTAL                                         | 3<br>3                               | 168,740<br>168,740                                                                                 |                   |
| MUNCIE<br>BALL STATE UNIVERSITY<br>AM17083-01                           | COSTILL, DAVID L                     | MUSCLE WATER AND ELECTROLYTES DURING DEHYDRATION                                                   | 22,890            |
| INSTITUTION TOTAL<br>CITY TOTAL                                         | 1<br>1                               | 22,890<br>22,890                                                                                   |                   |
| NOTRE DAME<br>UNIVERSITY OF NOTRE DAME<br>CA15957-01                    | POLLARD, MORRIS                      | DEVELOPMENT AND STUDY OF GERMFREE BUFFALO RATS.                                                    | 19,786            |
| INSTITUTION TOTAL<br>CITY TOTAL                                         | 1<br>1                               | 19,786<br>19,786                                                                                   |                   |
| STATE TOTAL                                                             | 5                                    | 211,416                                                                                            | 19,786            |
| IOWA<br>IOWA CITY<br>UNIVERSITY OF IOWA<br>AM17563-01                   | ARNONE, ARTHUR                       | X-RAY STUDIES OF HEMOGLOBIN AND REGULATORY ENZYMES                                                 | 73,624            |
| INSTITUTION TOTAL<br>CITY TOTAL                                         | 1<br>1                               | 73,624<br>73,624                                                                                   |                   |
| STATE TOTAL                                                             | 1                                    | 73,624                                                                                             | 73,624            |
| KANSAS<br>KANSAS CITY<br>UNIVERSITY OF KANSAS<br>CA15622-01             | JOHNSON, DONALD C                    | ENDOCRINOLOGY OF EXPERIMENTAL OVARIAN TUMORS                                                       | 28,962            |
| INSTITUTION TOTAL<br>CITY TOTAL                                         | 1<br>1                               | 28,962<br>28,962                                                                                   |                   |

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| GRANT NUMBER                                                                               | PRINCIPAL INVESTIGATOR | TITLE OF RESEARCH PROPOSAL                             |         |
|--------------------------------------------------------------------------------------------|------------------------|--------------------------------------------------------|---------|
| KANSAS                                                                                     |                        |                                                        |         |
| LAWRENCE                                                                                   |                        |                                                        |         |
| UNIVERSITY OF KANSAS                                                                       |                        |                                                        |         |
| AI11741-01                                                                                 | BUSSELL, ROBERT H      | PROTEINS OF MEASLES AND DISTEMPER VIRUSES              | 26,240  |
| AM18084-01                                                                                 | LINDENBAUM, SIEGFRIED  | THERMODYNAMIC STUDIES OF BILE ACID MICELLAR SOLUTIONS  | 16,002  |
| INSTITUTION TOTAL                                                                          | 2                      |                                                        | 42,242  |
| CITY TOTAL                                                                                 | 2                      |                                                        | 42,242  |
| STATE TOTAL                                                                                | 3                      |                                                        | 71,204  |
| KENTUCKY                                                                                   |                        |                                                        |         |
| LEXINGTON                                                                                  |                        |                                                        |         |
| UNIVERSITY OF KENTUCKY                                                                     |                        |                                                        |         |
| AI12030-01                                                                                 | BANWELL, JOHN G        | CONTROL OF ENTEROTOXIN INDUCED SECRETION               | 24,756  |
| AI11304-01                                                                                 | NOBLE, ROBERT C        | CLASSIFICATION OF GONOCOCCI AND ANTIGEN ANALYSIS       | 24,805  |
| INSTITUTION TOTAL                                                                          | 2                      |                                                        | 49,561  |
| CITY TOTAL                                                                                 | 2                      |                                                        | 49,561  |
| STATE TOTAL                                                                                | 2                      |                                                        | 49,561  |
| LOUISIANA                                                                                  |                        |                                                        |         |
| NEW ORLEANS                                                                                |                        |                                                        |         |
| LOUISIANA HLTH AND SOCIAL AND REHAB SRVCS ADMIN--CHARITY HOSPITAL OF LOUISIANA             |                        |                                                        |         |
| CA14493-01                                                                                 | BRICKMAN, ISADORE D    | EXPLORATORY STUDIES IN CANCER RESEARCH                 | 122,351 |
| INSTITUTION TOTAL                                                                          | 1                      |                                                        | 122,351 |
| TULANE UNIVERSITY                                                                          |                        |                                                        |         |
| CA15111-01                                                                                 | ARCOS, JOSEPH C        | PHARMACOLOGY & BIOCHEMISTRY OF THE ONCOGEN, DIOXANE    | 62,360  |
| INSTITUTION TOTAL                                                                          | 1                      |                                                        | 62,360  |
| CITY TOTAL                                                                                 | 2                      |                                                        | 184,711 |
| SHREVEPORT                                                                                 |                        |                                                        |         |
| LOUISIANA STATE UNIVERSITY SYSTEM--LOUISIANA STATE UNIVERSITY MEDICAL CENTER AT SHREVEPORT |                        |                                                        |         |
| AM17521-01                                                                                 | EICHNER, EDWARD R      | EFFECT OF ETHANOL AND OTHER DRUGS ON FOLATE METABOLISM | 20,000  |
| INSTITUTION TOTAL                                                                          | 1                      |                                                        | 20,000  |
| CITY TOTAL                                                                                 | 1                      |                                                        | 20,000  |
| STATE TOTAL                                                                                | 3                      |                                                        | 204,711 |

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| GRANT NUMBER                                                                         | PRINCIPAL INVESTIGATOR | TITLE OF RESEARCH PROPOSAL                             | DOLLARS AWARDED |
|--------------------------------------------------------------------------------------|------------------------|--------------------------------------------------------|-----------------|
| <b>MARYLAND</b>                                                                      |                        |                                                        |                 |
| <b>BALTIMORE</b>                                                                     |                        |                                                        |                 |
| <b>JOHNS HOPKINS UNIVERSITY</b>                                                      |                        |                                                        |                 |
| HD07389-01                                                                           | COHEN, ALAN M          | REGULATION OF SYMPATHETIC NEUROBLAST DIFFERENTIATION   | 43,800          |
| AM18035-01                                                                           | CUATRECASAS, PEDRO     | ESTROGEN RECEPTORS - PURIFICATION AND CHARACTERIZATION | 12,050          |
| EY01352-01                                                                           | LANGHAM, MAURICE E     | ADRENERGIC PHYSIOLOGY OF THE EYE                       | 52,229          |
| CA16923-01                                                                           | MC INTYRE, PATRICIA A  | 8TH INTERNATIONAL MEETING OF ICSSH PANEL               | 13,258          |
| EY01302-01                                                                           | STARK, WALTER J        | THE ROLE OF HT-A ANTIGENS IN CORNEAL TRANSPLANTATION   | 36,922          |
| HD07001-01                                                                           | SYKES, ZENAS M, JR     | POPULATION MATHEMATICS                                 | 12,802          |
| <b>INSTITUTION TOTAL</b>                                                             |                        |                                                        | <b>171,061</b>  |
| <b>UNIVERSITY OF MARYLAND SYSTEM--UNIVERSITY OF MARYLAND</b>                         |                        |                                                        |                 |
| <b>ES00883-01A1</b>                                                                  |                        |                                                        |                 |
|                                                                                      | BROWN, DAVID R         | EFFECT OF LEAD IN THE DEVELOPING NEONATAL RAT BRAIN    | 11,400          |
| CA15611-01                                                                           | HUANG, SHIH-WEN        | MONOCYTE AND T-LYMPHOCYTE RECEPTORS IN MALIGNANCY      | 23,108          |
| CA15696-01                                                                           | LUOLUM, DAVID B        | MOLECULAR PHARMACOLOGY OF THE NITROSOUREAS             | 35,286          |
| AM17797-01                                                                           | O'MORCHOE, CHARLES C   | THE ORIGIN AND FORMATION OF RENAL LYMPH                | 32,435          |
| AM17093-01                                                                           | PINTER, GABRIEL G      | HEART AND KIDNEY CAPILLARY PERMEABILITY IN DIABETES    | 62,935          |
| GM21747-01                                                                           | WRIGHT, GEORGE E       | STRUCTURE OF NOVEL INHIBITORS OF A DNA REPLICASE       | 15,700          |
| <b>INSTITUTION TOTAL</b>                                                             |                        |                                                        | <b>180,864</b>  |
| <b>CITY TOTAL</b>                                                                    |                        |                                                        | <b>351,925</b>  |
| <b>CATONSVILLE</b>                                                                   |                        |                                                        |                 |
| <b>UNIVERSITY OF MARYLAND SYSTEM--UNIVERSITY OF MARYLAND BALTIMORE COUNTY CAMPUS</b> |                        |                                                        |                 |
| AM17176-01                                                                           | VINCENT, JAMES S       | PAC AND EPR STUDIES OF METALLOENZYME STRUCTURE         | 32,897          |
| <b>INSTITUTION TOTAL</b>                                                             |                        |                                                        | <b>32,897</b>   |
| <b>CITY TOTAL</b>                                                                    |                        |                                                        | <b>32,897</b>   |
| <b>STATE TOTAL</b>                                                                   |                        |                                                        | <b>384,822</b>  |
| <b>MASSACHUSETTS</b>                                                                 |                        |                                                        |                 |
| <b>AMHERST</b>                                                                       |                        |                                                        |                 |
| <b>UNIVERSITY OF MASSACHUSETTS SYSTEM--UNIVERSITY OF MASSACHUSETTS AT AMHERST</b>    |                        |                                                        |                 |
| AI11269-01                                                                           | KUNKEL, JOSEPH G       | CONTROL OF COCKROACH DEVELOPMENT                       | 20,405          |
| AM17708-01                                                                           | PELLETT, PETER L       | PROTEIN-ENERGY RELATIONSHIPS IN MALNUTRITION           | 26,500          |
| HD08979-01                                                                           | SWEDLUND, ALAN C       | FERTILITY & MIGRATION TRENDS IN RURAL NEW ENGLAND      | 15,217          |
| <b>INSTITUTION TOTAL</b>                                                             |                        |                                                        | <b>62,122</b>   |
| <b>CITY TOTAL</b>                                                                    |                        |                                                        | <b>62,122</b>   |

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| GRANT NUMBER                                                                                       | PRINCIPAL INVESTIGATOR             | TITLE OF RESEARCH PROPOSAL                              | DOLLARS AWARDED |
|----------------------------------------------------------------------------------------------------|------------------------------------|---------------------------------------------------------|-----------------|
| MASSACHUSETTS<br>BELMONT<br>MASSACHUSETTS GENERAL HOSPITAL--MCLEAN HOSPITAL DIVISION<br>CAL1543-01 | STOFFEYN, PIERRE J                 | STRUCTURE OF GLYCOLIPIDS IN ONCOGENIC CELLS             | 22,590          |
| INSTITUTION TOTAL                                                                                  | 1                                  | 22,590                                                  |                 |
| CITY TOTAL                                                                                         | 1                                  | 22,590                                                  |                 |
| BOSTON<br>BOSTON BIOMEDICAL RESEARCH INSTITUTE<br>CAL1567-01                                       | WRIGHT, BARBARA E                  | KINETIC MODELING OF RAT LIVER AND MORRIS TUMORS         | 64,500          |
| INSTITUTION TOTAL                                                                                  | 1                                  | 64,500                                                  |                 |
| BOSTON UNIVERSITY<br>CAL15848-01                                                                   | COOPERBAND, SIDNEY R               | PROGRAM PROJECT: NEW APPROACHES TO TUMOR IMMUNOTHERAPY  | 257,080         |
| AM17722-01                                                                                         | COUSER, WILLIAM G                  | IMMUNOLOGIC MECHANISM OF GLOMERULAR INJURY              | 45,000          |
| AM16896-01                                                                                         | FINEBERG, SAMUEL E                 | DECREASED INSULIN SENSITIVITY IN DIABETES MELLITUS      | 37,550          |
| AM17202-01                                                                                         | KIBRICK, SIDNEY                    | DIABETES MELLITUS; ROLE OF COXSACKIEVIRUS B INFECTION   | 36,072          |
| AM17062-01                                                                                         | LEHMAN, WILLIAM, J                 | REGULATION OF MUSCULAR CONTRACTION: A COMPARATIVE STUDY | 24,325          |
| AM17713-01                                                                                         | LOWENSTEIN, LEAH M                 | A NEW CYCLE FOR AMMONIA PRODUCTION IN THE KIDNEY        | 31,800          |
| INSTITUTION TOTAL                                                                                  | 6                                  | 431,827                                                 |                 |
| CHILDREN'S CANCER RESEARCH FOUNDATION<br>CAL15751-01                                               | LIVINGSTON, DAVID M                | FUNCTION OF TUMOR VIRUS SPECIFIC NON-VIRION PROTEINS    | 48,315          |
| INSTITUTION TOTAL                                                                                  | 1                                  | 48,315                                                  |                 |
| CHILDREN'S HOSPITAL<br>A111419-01                                                                  | MEDICAL CENTER<br>COLTEN, HARVEY R | GENETIC ASPECTS OF THE ALLERGIC RESPONSE                | 38,776          |
| INSTITUTION TOTAL                                                                                  | 1                                  | 38,776                                                  |                 |
| HARVARD UNIVERSITY<br>HD08270-01                                                                   | BELLVE, ANTHONY R                  | MAMMALIAN SPERMIOGENESIS; ANALYSIS OF NUCLEAR PROTEIN   | 9,446           |
| ES01108-01                                                                                         | FERRIS, BENJAMIN G, JR             | EFFECTS OF SO2 AND RESPIRABLE PARTICULATES ON HEALTH    | 421,504         |
| GM21098-01                                                                                         | FRAENKEL, DAN G                    | MICROBIAL MUTANTS IN CENTRAL CARBOHYDRATE METABOLISM    | 21,800          |
| A112381-01                                                                                         | NICHOLS, ROGER L                   | CENTER FOR STUDY OF SEXUALLY TRANSMITTED DISEASES       | 152,057         |
| INSTITUTION TOTAL                                                                                  | 4                                  | 604,807                                                 |                 |
| MASSACHUSETTS GENERAL HOSPITAL<br>GM21700-01                                                       | BURKE, JOHN F                      | BURN TRAUMA CENTER                                      | 313,052         |

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| GRANT NUMBER                                                                    | PRINCIPAL INVESTIGATOR                                  | TITLE OF RESEARCH PROPOSAL                                                                                                                        | DOLLARS AWARDED            |
|---------------------------------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------|
| MASSACHUSETTS<br>BOSTON                                                         |                                                         |                                                                                                                                                   |                            |
| MASSACHUSETTS GENERAL HOSPITAL<br>AM17372-01                                    | DI BONA, DONALD R                                       | REGULATION OF EXTRACELLULAR TRANSEPITHELIAL TRANSPORT                                                                                             | 48,570                     |
| INSTITUTION TOTAL                                                               | 2                                                       | 361,622                                                                                                                                           |                            |
| NEW ENGLAND MEDICAL CENTER HOSPITAL<br>CA15125-01                               | NECHELES, THOMAS F                                      | COMPUTER ASSISTED CLASSIFICATION OF ACUTE LEUKEMIA                                                                                                | 46,796                     |
| INSTITUTION TOTAL                                                               | 1                                                       | 46,796                                                                                                                                            |                            |
| PETER BENT BRIGHAM HOSPITAL<br>CA16937-01A1<br>AM17684-01                       | CARPENTER, CHARLES B<br>FALCHUK, Z MYRON                | NATURE & CONTROL OF LYMPHOCYTE MEDIATED CYTOTOXICITY<br>PATHOGENESIS OF CELIAC SPRUE AND REGIONAL ENTERITIS                                       | 106,340<br>40,282          |
| INSTITUTION TOTAL                                                               | 2                                                       | 146,622                                                                                                                                           |                            |
| RETINA FOUNDATION<br>EY01259-01A1                                               | HIROSE, TATSUO                                          | HUMAN VER AND ERG WITH FOCAL RETINAL STIMULATION                                                                                                  | 31,598                     |
| INSTITUTION TOTAL                                                               | 1                                                       | 31,598                                                                                                                                            |                            |
| ST. MARGARET'S HOSPITAL<br>CA15670-01                                           | SBARRA, ANTHONY J                                       | EFFECTS OF X-IRRADIATION ON THE PHAGOCYTTIC RESPONSE                                                                                              | 49,637                     |
| INSTITUTION TOTAL                                                               | 1                                                       | 49,637                                                                                                                                            |                            |
| TUFTS UNIVERSITY<br>GM20680-01<br>AM17745-01<br>CA16039-01                      | HUSAIN, SYED S<br>KRINSKY, NORMAN I<br>VAAGE, JAN       | INVESTIGATION OF TISSUE SULFHYDRYL PROTEINASES<br>MECHANISM OF PROTECTIVE ACTION OF CAROTENOIDS<br>IN VITRO ASSAY OF TUMOR IMMUNITY               | 15,505<br>20,000<br>28,569 |
| INSTITUTION TOTAL                                                               | 3                                                       | 64,074                                                                                                                                            |                            |
| CITY TOTAL                                                                      | 23                                                      | 1,888,574                                                                                                                                         |                            |
| CAMBRIDGE                                                                       |                                                         |                                                                                                                                                   |                            |
| MASSACHUSETTS INSTITUTE OF TECHNOLOGY<br>CA14896-01<br>CA15010-01<br>HD08641-01 | HECHT, SIDNEY M<br>THILLY, WILLIAM G<br>YOUNG, VERNON R | GROWTH HORMONES: REGULATORY EFFECTS IN ANIMALS<br>BIOASSAY: IN VITRO MODELS OF HUMAN CHEMO-ONCOGENESIS<br>AGING AND METABOLISM IN SKELETAL MUSCLE | 24,861<br>27,555<br>39,203 |
| INSTITUTION TOTAL                                                               | 3                                                       | 91,619                                                                                                                                            |                            |
| CITY TOTAL                                                                      | 3                                                       | 91,619                                                                                                                                            |                            |

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| GRANT NUMBER                                                                                                          | PRINCIPAL INVESTIGATOR                                                                               | TITLE OF RESEARCH PROPOSAL                                                                                                                                                                                                              | DOLLARS AWARDED                                |
|-----------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------|
| MASSACHUSETTS<br>NORTH DARTMOUTH<br>SOUTHEASTERN MASSACHUSETTS UNIVERSITY<br>A111855-01                               | THOMAS, GEORGE J, JR                                                                                 | THE MOLECULAR STRUCTURE OF RNA VIRUSES                                                                                                                                                                                                  | 18,787                                         |
| INSTITUTION TOTAL                                                                                                     | 1                                                                                                    |                                                                                                                                                                                                                                         | 18,787                                         |
| CITY TOTAL                                                                                                            | 1                                                                                                    |                                                                                                                                                                                                                                         | 18,787                                         |
| SHREWSBURY<br>WORCESTER FOUNDATION FOR EXPERIMENTAL BIOLOGY<br>H008194-01A1<br>A112221-01                             | CASPI, ELIAHU<br>SKARNES, ROBERT C                                                                   | PRENATAL PROTEIN MALNUTRITION AND BRAIN STEROLS<br>MECHANISMS OF TOXICITY OF BACTERIAL ENDOTOXIN                                                                                                                                        | 52,244<br>38,839                               |
| INSTITUTION TOTAL                                                                                                     | 2                                                                                                    |                                                                                                                                                                                                                                         | 91,083                                         |
| CITY TOTAL                                                                                                            | 2                                                                                                    |                                                                                                                                                                                                                                         | 91,083                                         |
| WORCESTER<br>UNIVERSITY OF MASSACHUSETTS SYSTEM--UNIVERSITY OF MASSACHUSETTS MEDICAL SCHOOL<br>AM17496-01             | GOODMAN, H MAURICE                                                                                   | THE ROLE OF HORMONES IN STRESS                                                                                                                                                                                                          | 41,319                                         |
| INSTITUTION TOTAL                                                                                                     | 1                                                                                                    |                                                                                                                                                                                                                                         | 41,319                                         |
| CITY TOTAL                                                                                                            | 1                                                                                                    |                                                                                                                                                                                                                                         | 41,319                                         |
| STATE TOTAL                                                                                                           | 34                                                                                                   |                                                                                                                                                                                                                                         | 2,216,094                                      |
| MICHIGAN<br>ANN ARBOR<br>UNIVERSITY OF MICHIGAN<br>EY01230-01<br>CA16219-01<br>H008636-01<br>H007690-01<br>H007729-01 | ALLEN, DONALD M<br>BURCKHALTER, JOSEPH H<br>FOSTER, DOUGLAS L<br>KELCH, ROBERT P<br>MENON, K JAYARAM | PHYSIOLOGY OF VISUAL PIGMENTS<br>POTENTIAL ANTIVIRAL AND ANTINEOPLASTIC AGENTS<br>REPRODUCTIVE ENDOCRINE DEVELOPMENT<br>REGULATION OF ESTROGEN PRODUCTION BY MAMMALIAN TESTES<br>GONADOTROPIN RELEASING FACTOR REGULATION OF LH RELEASE | 48,546<br>36,922<br>47,500<br>27,900<br>30,206 |
| INSTITUTION TOTAL                                                                                                     | 5                                                                                                    |                                                                                                                                                                                                                                         | 191,074                                        |
| CITY TOTAL                                                                                                            | 5                                                                                                    |                                                                                                                                                                                                                                         | 191,074                                        |
| DETROIT<br>WAYNE STATE UNIVERSITY<br>CA15061-01A1<br>GM21147-01                                                       | BOECKMAN, ROBERT K, JR<br>MC CLAIN, WILLIAM M                                                        | SYNTHESIS OF THE POTENT ANTILEUKEMIC AGENT ADRIAMYCIN<br>POLARIZED RESONANCE RAMAN SCATTERING OF POLYMERS                                                                                                                               | 22,743<br>24,300                               |
| INSTITUTION TOTAL                                                                                                     | 2                                                                                                    |                                                                                                                                                                                                                                         | 47,043                                         |

\* INCLUDES DIRECT COST ONLY FOR NIH RESEARCH AWARDS

NIH  
RESEARCH GRANTS \*

DOLLARS  
AWARDED

| GRANT NUMBER              | PRINCIPAL INVESTIGATOR | TITLE OF RESEARCH PROPOSAL                              | DOLLARS AWARDED |
|---------------------------|------------------------|---------------------------------------------------------|-----------------|
| CITY TOTAL                | 2                      | 47,043                                                  |                 |
| MICHIGAN                  |                        |                                                         |                 |
| EAST LANSING              |                        |                                                         |                 |
| MICHIGAN STATE UNIVERSITY |                        |                                                         |                 |
| GM21321-01                | AUST, STEVEN D         | RAT LIVER MICROSOMAL CYTOCHROME P 450                   | 13,096          |
| INSTITUTION TOTAL         | 1                      | 13,096                                                  |                 |
| CITY TOTAL                | 1                      | 13,096                                                  |                 |
| ROYAL OAK                 |                        |                                                         |                 |
| WILLIAM BEAUMONT HOSPITAL |                        |                                                         |                 |
| NS12119-01                | BENITEZ, JAIME T       | EFFECTS OF PARTIAL LESIONS IN THE VESTIBULAR SYSTEM     | 53,559          |
| INSTITUTION TOTAL         | 1                      | 53,559                                                  |                 |
| CITY TOTAL                | 1                      | 53,559                                                  |                 |
| STATE TOTAL               | 9                      | 304,772                                                 |                 |
| MINNESOTA                 |                        |                                                         |                 |
| MINNEAPOLIS               |                        |                                                         |                 |
| UNIVERSITY OF MINNESOTA   |                        |                                                         |                 |
| AM17697-01                | BROWN, DAVID M         | ISLET TRANSPLANTATION AND DIABETIC VASCULAR DISEASE     | 50,956          |
| CA16228-01                | GOLDBERG, NELSON D     | THE CELL MEMBRANE IN PROLIFERATION AND ONCOGENESIS      | 510,578         |
| EY01200-01A1              | HARRIS, JOHN E         | STUDIES OF THE TRIPRANOL CATARACT                       | 27,130          |
| CA14815-01                | RISTOW, SANDRA S       | PURIFICATION OF TUMOR SPECIFIC ANTIGENS                 | 31,111          |
| AM17672-01                | VAN PILSUM, JOHN F     | REGULATION OF RAT KIDNEY TRANSAMIDINASE ACTIVITIES      | 31,433          |
| INSTITUTION TOTAL         | 5                      | 651,208                                                 |                 |
| CITY TOTAL                | 5                      | 651,208                                                 |                 |
| ROCHESTER                 |                        |                                                         |                 |
| MAYO FOUNDATION           |                        |                                                         |                 |
| CA15902-01                | BAKER, HILLIER L, JR   | COMPUTERIZED ROENTGENOLOGIC/CLINICAL DIAGNOSTIC METHODS | 29,071          |
| AM17707-01                | GOLDSMITH, RALPH S     | VITAMIN D METABOLISM IN MAN                             | 32,530          |
| INSTITUTION TOTAL         | 2                      | 61,601                                                  |                 |
| CITY TOTAL                | 2                      | 61,601                                                  |                 |
| SAINT PAUL                |                        |                                                         |                 |
| MACALESTER COLLEGE        |                        |                                                         |                 |
| CA16220-01                | DOOMES, EARL           | POTENTIAL ANTI-CARCINOGENIC ALKYLATING AGENTS           | 7,275           |

\* INCLUDES DIRECT COST ONLY FOR NIH RESEARCH AWARDS

NIH  
RESEARCH GRANTS \*

DOLLARS  
AWARDED

| GRANT NUMBER                                                                                                          | PRINCIPAL INVESTIGATOR               | TITLE OF RESEARCH PROPOSAL                                                                                  | DOLLARS AWARDED  |
|-----------------------------------------------------------------------------------------------------------------------|--------------------------------------|-------------------------------------------------------------------------------------------------------------|------------------|
| MINNESOTA<br>SAINT PAUL<br>UNIVERSITY OF MINNESOTA<br>EY01465-01                                                      | GELATT, KIRK N                       | PRIMARY GLAUCOMA                                                                                            | 35,238           |
| INSTITUTION TOTAL                                                                                                     | 1                                    | 7,275                                                                                                       |                  |
| INSTITUTION TOTAL                                                                                                     | 1                                    | 35,238                                                                                                      |                  |
| CITY TOTAL                                                                                                            | 2                                    | 42,513                                                                                                      |                  |
| STATE TOTAL                                                                                                           | 9                                    | 755,322                                                                                                     |                  |
| MISSISSIPPI<br>JACKSON<br>UNIVERSITY OF MISSISSIPPI MEDICAL CENTER<br>HD09098-01                                      | WATSON, RONALD R                     | MALNUTRITION AND SECRETORY IMMUNOGLOBULIN A                                                                 | 17,755           |
| INSTITUTION TOTAL                                                                                                     | 1                                    | 17,755                                                                                                      |                  |
| CITY TOTAL                                                                                                            | 1                                    | 17,755                                                                                                      |                  |
| STATE TOTAL                                                                                                           | 1                                    | 17,755                                                                                                      |                  |
| MISSOURI<br>COLUMBIA<br>UNIVERSITY OF MISSOURI SYSTEM--UNIVERSITY OF MISSOURI AT COLUMBIA<br>ES00973-01<br>GM21780-01 | MILES, CHARLES D<br>SHORT, CHARLES R | PHOTOSYNTHESIS INHIBITION BY ENVIRONMENTAL TRACE METALS<br>3-METHYLCHOLANTHRENE METABOLITE-BINDING PROTEINS | 12,300<br>19,881 |
| INSTITUTION TOTAL                                                                                                     | 2                                    | 32,181                                                                                                      |                  |
| CITY TOTAL                                                                                                            | 2                                    | 32,181                                                                                                      |                  |
| KIRKSVILLE<br>KIRKSVILLE COLLEGE OF OSTEOPATHIC MEDICINE<br>NS10647-01A2                                              | PATTERSON, MICHAEL M                 | STUDIES OF SPINAL RESPONSE PLASTICITY                                                                       | 10,208           |
| INSTITUTION TOTAL                                                                                                     | 1                                    | 10,208                                                                                                      |                  |
| CITY TOTAL                                                                                                            | 1                                    | 10,208                                                                                                      |                  |
| SAINT LOUIS<br>ST. LOUIS UNIVERSITY<br>AM17428-01                                                                     | BROWN, GORONNY O, JR                 | ANEMIA OF VITAMIN E DEFICIENCY                                                                              | 40,283           |

\* INCLUDES DIRECT COST ONLY FOR NIH RESEARCH AWARDS

NIH  
RESEARCH GRANTS \*

DOLLARS  
AWARDED

| GRANT NUMBER                                                            | PRINCIPAL INVESTIGATOR | TITLE OF RESEARCH PROPOSAL                             | DOLLARS AWARDED |
|-------------------------------------------------------------------------|------------------------|--------------------------------------------------------|-----------------|
| <b>MISSOURI</b>                                                         |                        |                                                        |                 |
| <b>SAINT LOUIS</b>                                                      |                        |                                                        |                 |
| <b>ST. LOUIS UNIVERSITY</b>                                             |                        |                                                        |                 |
| HD07900-01                                                              | CADDELL, JOAN L        | THE MAGNESIUM STATUS OF POOR URBAN MOTHERS AND BABIES  | 30,086          |
| CA16375-01                                                              | ELLIOTT, WILLIAM H     | ROLE OF BILE ACIDS IN ETIOLOGY OF LARGE BOWEL CANCER   | 55,528          |
| CA16266-01                                                              | GURGO, CORRADO         | MECHANISM OF AMV REVERSE TRANSCRIPTASE INHIBITORS      | 23,903          |
| NS12075-01                                                              | NELSON, JAMES S        | BIOCHEMICAL STUDIES ON MONOAMINE CONTAINING NEURONS    | 55,052          |
| INSTITUTION TOTAL                                                       |                        |                                                        | 204,852         |
| <b>WASHINGTON UNIVERSITY</b>                                            |                        |                                                        |                 |
| CA15556-01                                                              | BELL, C ELLIOTT, JR    | ANTIGENS AND IMMUNITY IN HUMAN BRONCHOGENIC CARCINOMA  | 40,931          |
| CA15665-01                                                              | MEDOFF, GERALD         | CURING OF LEUKEMIC MICE WITH AMPHOTERICIN B AND BCNU   | 156,465         |
| A112450-01                                                              | PARKER, CHARLES W      | CYCLIC NUCLEOTIDES IN IMMUNITY                         | 147,463         |
| A112242-01                                                              | SCHLESINGER, SONORA    | REPLICATION AND HOST RANGE SPECIFICITY OF LD VIRUS     | 34,447          |
| GM21357-01                                                              | SCHLESINGER, DAVID     | PROCESSING AND TURNOVER OF HUMAN CELL NUCLEAR RNA      | 35,955          |
| INSTITUTION TOTAL                                                       |                        |                                                        | 415,261         |
| CITY TOTAL                                                              |                        |                                                        | 620,113         |
| STATE TOTAL                                                             |                        |                                                        | 662,502         |
| <b>NEBRASKA</b>                                                         |                        |                                                        |                 |
| <b>LINCOLN</b>                                                          |                        |                                                        |                 |
| <b>UNIVERSITY OF NEBRASKA SYSTEM--UNIVERSITY OF NEBRASKA AT LINCOLN</b> |                        |                                                        |                 |
| AM17434-01                                                              | MEINTS, RUSSEL H       | STUDIES OF HEMOPOIETIC STEM CELL SURFACE CHARACTERS    | 23,368          |
| INSTITUTION TOTAL                                                       |                        |                                                        | 23,368          |
| CITY TOTAL                                                              |                        |                                                        | 23,368          |
| STATE TOTAL                                                             |                        |                                                        | 23,368          |
| <b>NEW HAMPSHIRE</b>                                                    |                        |                                                        |                 |
| <b>HANDOVER</b>                                                         |                        |                                                        |                 |
| <b>DARTMOUTH COLLEGE</b>                                                |                        |                                                        |                 |
| HL17116-01                                                              | DAUBENSPECK, JOHN A    | VENTILATORY WORKRATE DYNAMICS IN CO2 REGULATION        | 30,000          |
| HD08210-01                                                              | GILBERT, JOHN J        | VITAMIN E: NEW BIOASSAY, NEW EFFECTS, NEW COMPOUND     | 27,398          |
| A112122-01                                                              | MERRITT, KATHARINE     | DIAGNOSIS OF GONORRHEA BY IMMUNOELECTROPHORESIS        | 16,225          |
| AM16960-01                                                              | MUDGE, GILBERT H       | DRUG DISTRIBUTION: RENAL PARENCHYMA, LOOP OF HENLE     | 21,413          |
| CA16888-01                                                              | STERNICK, EDWARD S     | 5TH INTERNATIONAL CONFERENCE-COMPUTERS IN RADIOTHERAPY | 21,752          |
| INSTITUTION TOTAL                                                       |                        |                                                        | 116,788         |
| CITY TOTAL                                                              |                        |                                                        | 116,788         |
| STATE TOTAL                                                             |                        |                                                        | 116,788         |

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NIH  
RESEARCH GRANTS \*

DOLLARS  
AWARDED

| GRANT NUMBER                                                                                                              | PRINCIPAL INVESTIGATOR | TITLE OF RESEARCH PROPOSAL                             | DOLLARS AWARDED |
|---------------------------------------------------------------------------------------------------------------------------|------------------------|--------------------------------------------------------|-----------------|
| NEW JERSEY<br>NEW BRUNSWICK<br>RUTGERS UNIVERSITY<br>CA15819-01                                                           | GOTTLIEB, A ARTHUR     | DNA POLYMERASE INHIBITOR IN SERA OF TUMOR-BEARING MICE | 28,501          |
| INSTITUTION TOTAL                                                                                                         | 1                      |                                                        | 28,501          |
| CITY TOTAL                                                                                                                | 1                      |                                                        | 28,501          |
| PISCATAWAY<br>COLLEGE OF MEDICINE AND DENTISTRY OF NEW JERSEY--RUTGERS MEDICAL SCHOOL<br>AM16872-01                       | RASKOVA, JANA          | IMMUNOPATHOLOGY OF CHRONIC RENAL FAILURE               | 20,626          |
| INSTITUTION TOTAL                                                                                                         | 1                      |                                                        | 20,626          |
| CITY TOTAL                                                                                                                | 1                      |                                                        | 20,626          |
| SKILLMAN<br>NEW JERSEY STATE DEPARTMENT OF INSTITUTIONS AND AGENCIES--NEW JERSEY NEUROPSYCHIATRIC INSTITUTE<br>HD08346-01 | HADDAD, RAEF K         | CNS TERATOLOGY AND MENTAL DEFICIENCY                   | 64,919          |
| INSTITUTION TOTAL                                                                                                         | 1                      |                                                        | 64,919          |
| CITY TOTAL                                                                                                                | 1                      |                                                        | 64,919          |
| STATE TOTAL                                                                                                               | 3                      |                                                        | 114,046         |
| NEW MEXICO<br>ALBUQUERQUE<br>UNIVERSITY OF NEW MEXICO<br>AT11560-01                                                       | TOKUDA, SEI            | IMMUNOBIOLOGY OF THE H-Y (MALE) ANTIGENIC SYSTEM       | 26,975          |
| INSTITUTION TOTAL                                                                                                         | 1                      |                                                        | 26,975          |
| CITY TOTAL                                                                                                                | 1                      |                                                        | 26,975          |
| STATE TOTAL                                                                                                               | 1                      |                                                        | 26,975          |
| NEW YORK<br>ALBANY<br>NEW YORK STATE DEPARTMENT OF HEALTH<br>CA17099-01                                                   | WARREN, WILLIAM A      | FACTORS IN MAST TUMOR IMPLANTATION AND GROWTH          | 43,041          |
| INSTITUTION TOTAL                                                                                                         | 1                      |                                                        | 43,041          |

\* INCLUDES DIRECT COST ONLY FOR NIH RESEARCH AWARDS

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| GRANT NUMBER                                                                                                                                                                           | PRINCIPAL INVESTIGATOR | TITLE OF RESEARCH PROPOSAL                                                                                                                                            |                            |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------|
| NEW YORK<br>ALBANY<br>STATE UNIVERSITY OF NEW YORK AT ALBANY<br>HD08411-01                                                                                                             | CHRISTIAN, JOHN J      | REGULATION OF SPERMATOGENESIS                                                                                                                                         | 37,117                     |
| INSTITUTION TOTAL                                                                                                                                                                      | 1                      |                                                                                                                                                                       | 37,117                     |
| UNION COLLEGE AND UNIVERSITY SYSTEM--ALBANY MEDICAL COLLEGE<br>AM17767-01                                                                                                              | HALL, CHARLES A        | TRANSCOBALAMIN II IN THE TRANSPORT OF VITAMIN B-12                                                                                                                    | 12,794                     |
| INSTITUTION TOTAL                                                                                                                                                                      | 1                      |                                                                                                                                                                       | 12,794                     |
| CITY TOTAL                                                                                                                                                                             | 3                      |                                                                                                                                                                       | 92,952                     |
| BUFFALO<br>NEW YORK STATE DEPARTMENT OF HEALTH--ROSWELL PARK MEMORIAL INSTITUTE<br>CA16935-01A1<br>SANDBERG, AVERY A<br>CA16045-01<br>SRIVASTAVA, B I<br>CA15691-01<br>TAKITA, HIROSHI |                        | INTRACELLULAR FACTORS CONTROLLING MITOTIC EVENTS<br>POLYNUCLEOTIDES & STREPTOVARICINS IN CANCER CHEMOTHERAPY<br>IMMUNOTHERAPY IN LUNG CARCINOMA WITH AUTOLOGOUS TUMOR | 26,423<br>27,790<br>33,580 |
| INSTITUTION TOTAL                                                                                                                                                                      | 3                      |                                                                                                                                                                       | 87,793                     |
| STATE UNIVERSITY OF NEW YORK AT BUFFALO<br>GM20728-01                                                                                                                                  | STRAUSS, NORMAN        | REGULATORY FACTORS OF SPORULATION IN BACILLUS SUBTILIS                                                                                                                | 43,518                     |
| INSTITUTION TOTAL                                                                                                                                                                      | 1                      |                                                                                                                                                                       | 43,518                     |
| CITY TOTAL                                                                                                                                                                             | 4                      |                                                                                                                                                                       | 131,311                    |
| ITHACA<br>CORNELL UNIVERSITY<br>HD07599-01                                                                                                                                             | HAINES, MICHAEL R      | OCCUPATION AND THE ECONOMIC DETERMINANTS OF FERTILITY                                                                                                                 | 15,747                     |
| INSTITUTION TOTAL                                                                                                                                                                      | 1                      |                                                                                                                                                                       | 15,747                     |
| CITY TOTAL                                                                                                                                                                             | 1                      |                                                                                                                                                                       | 15,747                     |
| NEW HYDE PARK<br>LONG ISLAND JEWISH--HILLSIDE MEDICAL CENTER<br>CA14872-01A1                                                                                                           | KLAVINS, JANIS V       | EMBRYONIC COMPONENTS IN CANCER AND PATHOLOGIC TISSUES                                                                                                                 | 35,208                     |
| INSTITUTION TOTAL                                                                                                                                                                      | 1                      |                                                                                                                                                                       | 35,208                     |
| CITY TOTAL                                                                                                                                                                             | 1                      |                                                                                                                                                                       | 35,208                     |

\* INCLUDES DIRECT COST ONLY FOR NIH RESEARCH AWARDS

NIH  
RESEARCH GRANTS \*

DOLLARS  
AWARDED

| GRANT NUMBER                                                                                | PRINCIPAL INVESTIGATOR | TITLE OF RESEARCH PROPOSAL                             | DOLLARS AWARDED |
|---------------------------------------------------------------------------------------------|------------------------|--------------------------------------------------------|-----------------|
| NEW YORK<br>NEW YORK<br>CITY UNIVERSITY OF NEW YORK--CITY COLLEGE OF NEW YORK<br>HD07517-01 | GRISWOLD, JOSEPH G     | FUNCTIONAL ANALYSIS OF FILIAL BEHAVIOR DEVELOPMENT     | 24,159          |
| INSTITUTION TOTAL                                                                           | 1                      |                                                        | 24,159          |
| CITY UNIVERSITY OF NEW YORK--MOUNT SINAI SCHOOL OF MEDICINE<br>CA17038-01                   | BARKA, TIBOR           | POSTNATAL DIFFERENTIATION OF THE SUBMANDIBULAR GLAND   | 29,885          |
| HD07685-01                                                                                  | GABRILOVE, J LESTER    | GYNECOMASTIA: HORMONAL AND TESTICULAR ABNORMALITIES    | 32,994          |
| EY01243-01                                                                                  | MITTAG, THOMAS W       | ROLE OF ACH IN THE CORNEA AND IN OCULAR PRESSURE       | 38,835          |
| CA14827-01A1                                                                                | PAPATESTAS, ANGELOS E  | THE EFFECTS OF THYMECTOMY IN ONCOGENESIS IN HUMANS     | 17,028          |
| CA14491-01A2                                                                                | WAXMAN, SAMUEL         | NOVEL TRANSPORT GLYCOPROTEINS IN HEPATOMA              | 25,363          |
| INSTITUTION TOTAL                                                                           | 5                      |                                                        | 144,105         |
| CITY UNIVERSITY OF NEW YORK--QUEENS COLLEGE<br>HD07334-01                                   | HAMOVITCH, WILLIAM     | FERTILITY, PRODUCTIVITY AND LABOR FORCE PARTICIPATION  | 28,672          |
| INSTITUTION TOTAL                                                                           | 1                      |                                                        | 28,672          |
| COLUMBIA UNIVERSITY<br>NS12049-01                                                           | CARTER, SIDNEY         | WORKSHOPS ON GROWTH AND REGENERATION IN THE CNS        | 20,000          |
| CA16899-01                                                                                  | VEENEMA, RALPH J       | IMPROVEMENT IN CARE OF PATIENTS WITH BLADDER CARCINOMA | 39,468          |
| INSTITUTION TOTAL                                                                           | 2                      |                                                        | 59,468          |
| CORNELL UNIVERSITY MEDICAL COLLEGE<br>CA15202-01                                            | ELLIS, ROBERT J        | IMMUNOLOGICAL STUDIES IN PATIENTS WITH BREAST CANCER   | 25,706          |
| INSTITUTION TOTAL                                                                           | 1                      |                                                        | 25,706          |
| FORDHAM UNIVERSITY<br>A112200-01                                                            | EPLING, GARY A         | MECHANISTIC STUDY OF PHOTOTOXICITY IN ANTIMALARIALS    | 24,112          |
| INSTITUTION TOTAL                                                                           | 1                      |                                                        | 24,112          |
| HOSPITAL FOR SPECIAL SURGERY<br>AM17028-01                                                  | PHILLIPS, PAUL E       | VIROLOGIC STUDIES OF SYSTEMIC LUPUS ERYTHEMATOSUS      | 28,045          |
| INSTITUTION TOTAL                                                                           | 1                      |                                                        | 28,045          |
| LENOX HILL HOSPITAL<br>CA16997-01                                                           | IOACHIM, HARRY L       | STUDIES OF INDUCTION AND IMMUNITY                      | 32,450          |
| INSTITUTION TOTAL                                                                           | 1                      |                                                        | 32,450          |

\* INCLUDES DIRECT COST ONLY FOR NIH RESEARCH AWARDS

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RESEARCH GRANTS \*

| GRANT NUMBER                                                                                                          | PRINCIPAL INVESTIGATOR                                                                          | TITLE OF RESEARCH PROPOSAL                                                                                                                                                                                                                                  | DOLLARS AWARDED                                 |
|-----------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------|
| NEW YORK<br>NEW YORK<br>MONTEFIORE HOSPITAL AND MEDICAL CENTER<br>EY01224-01A2                                        | HENKIND, PAUL                                                                                   | ENDOCRINE AND PHYSIOLOGICAL PARAMETERS IN GLAUCOMA                                                                                                                                                                                                          | 123,400                                         |
| INSTITUTION TOTAL                                                                                                     | 1                                                                                               |                                                                                                                                                                                                                                                             | 123,400                                         |
| NEW YORK MEDICAL COLLEGE<br>A111015-01A1<br>HD08847-01                                                                | RAPPAPORT, IRVING<br>THURSH, DONALD R                                                           | BACKGROUND PFC IN YOUNG AND AGING MICE<br>IMMUNOLOGICAL ASPECTS OF FETAL AND INFANTILE DEATH                                                                                                                                                                | 42,792<br>35,040                                |
| INSTITUTION TOTAL                                                                                                     | 2                                                                                               |                                                                                                                                                                                                                                                             | 77,832                                          |
| NEW YORK STATE DEPARTMENT OF MENTAL HYGIENE--INSTITUTE FOR BASIC RESEARCH IN MENTAL RETARDATION<br>HD06843-01A1       | LOO, YEN HOONG                                                                                  | CEREBRAL PHENYLALANINE METABOLISM IN PHENYLKETONURIA                                                                                                                                                                                                        | 13,437                                          |
| INSTITUTION TOTAL                                                                                                     | 1                                                                                               |                                                                                                                                                                                                                                                             | 13,437                                          |
| NEW YORK UNIVERSITY<br>CA16239-01<br>CA16357-01<br>CA16149-01<br>CA17104-01<br>ES00976-01                             | BASILICO, CLAUDIO<br>DANCIS, JOSEPH<br>KLEINBERG, DAVID L<br>LIKHITE, VINAY<br>PIONELLI, SERGIO | BIOSYNTHESIS IN NORMAL AND VIRUS-TRANSFORMED CELLS<br>PREVENTION OF DEATH FROM RADIO-CHEMOTHERAPY<br>ROLE OF PROLACTIN IN BREAST AND PROSTATE CANCER<br>RNA-ASSOCIATED TRANSFER FACTORS IN TUMOR IMMUNITY<br>SCREENING OF URBAN CHILDREN FOR LEAD POISONING | 159,990<br>22,392<br>28,944<br>29,303<br>66,450 |
| INSTITUTION TOTAL                                                                                                     | 5                                                                                               |                                                                                                                                                                                                                                                             | 307,079                                         |
| ROCKEFELLER UNIVERSITY<br>CA16892-01<br>GM21796-01                                                                    | BRAUN, ARMIN C<br>PFAFFMANN, CARL                                                               | CONFERENCE "SUPPRESSION OF THE MALIGNANT PHENOTYPE"<br>COGNITIVE PROCESSES AND PSYCHOLINGUISTICS                                                                                                                                                            | 10,000<br>106,100                               |
| INSTITUTION TOTAL                                                                                                     | 2                                                                                               |                                                                                                                                                                                                                                                             | 116,100                                         |
| SLOAN-KETTERING INSTITUTE FOR CANCER RESEARCH<br>CA17049-01A1<br>AM17210-01<br>CA16271-01<br>A111772-01<br>CA15792-01 | CHOI, YONG S<br>ESSNER, EDWARD S<br>FAANES, RONALD B<br>KRUG, ROBERT M<br>SHAPIRO, WILLIAM R    | RECOGNITION OF TUMOR CELLS BY T LYMPHOCYTES<br>ROLE OF LYSOSOMES IN CHEDIAK-HIGASHI SYNDROME<br>ANTIBODY, LYMPHOID AND TUMOR CELL INTERACTION<br>REPLICATION OF INFLUENZA VIRUS<br>TREATMENT OF EXPERIMENTAL NERVOUS SYSTEM TUMORS                          | 38,650<br>35,000<br>27,500<br>34,421<br>36,801  |
| INSTITUTION TOTAL                                                                                                     | 5                                                                                               |                                                                                                                                                                                                                                                             | 172,372                                         |
| STATE UNIVERSITY OF NEW YORK--DOWNSTATE MEDICAL CENTER<br>NS12039-01<br>CA16936-01                                    | CRACCO, ROGER Q<br>FRIEDMAN, STANLEY                                                            | EVOKED SPINAL RESPONSE<br>THE RELATIONSHIP BETWEEN tRNA MODIFICATION & CELL GROWTH                                                                                                                                                                          | 61,673<br>31,578                                |

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RESEARCH GRANTS \*

DOLLARS  
AWARDED

| GRANT NUMBER                                           | PRINCIPAL INVESTIGATOR | TITLE OF RESEARCH PROPOSAL                      |        |
|--------------------------------------------------------|------------------------|-------------------------------------------------|--------|
| NEW YORK                                               |                        |                                                 |        |
| NEW YORK                                               |                        |                                                 |        |
| STATE UNIVERSITY OF NEW YORK--DOWNSTATE MEDICAL CENTER |                        |                                                 |        |
| AM17468-01                                             | MC CAULEY, ROY B       | IMMUNOCHEMICAL STUDIES OF MULTIPLE FORMS OF MAO | 38,217 |

|                   |   |         |  |
|-------------------|---|---------|--|
| INSTITUTION TOTAL | 3 | 131,468 |  |
|-------------------|---|---------|--|

|                    |               |                                               |        |
|--------------------|---------------|-----------------------------------------------|--------|
| YESHIVA UNIVERSITY |               |                                               |        |
| HD08063-01         | ROSE, SUSAN A | OVERCOMING THE ADVERSE EFFECTS OF PREMATURITY | 44,226 |

|                   |    |           |  |
|-------------------|----|-----------|--|
| INSTITUTION TOTAL | 1  | 44,226    |  |
| CITY TOTAL        | 33 | 1,352,631 |  |

|                         |                   |                                      |        |
|-------------------------|-------------------|--------------------------------------|--------|
| ROCHESTER               |                   |                                      |        |
| UNIVERSITY OF ROCHESTER |                   |                                      |        |
| CA15716-01              | BALDUZZI, PIERO C | GENETIC STUDIES OF RNA TUMOR VIRUSES | 27,975 |

|                   |   |        |  |
|-------------------|---|--------|--|
| INSTITUTION TOTAL | 1 | 27,975 |  |
| CITY TOTAL        | 1 | 27,975 |  |

|                                             |                      |                                                     |         |
|---------------------------------------------|----------------------|-----------------------------------------------------|---------|
| STONY BROOK                                 |                      |                                                     |         |
| STATE UNIVERSITY OF NEW YORK AT STONY BROOK |                      |                                                     |         |
| NS11834-01                                  | BROWN, LEROY T       | FINE STRUCTURE OF SPINAL CORD                       | 20,791  |
| HD08514-01                                  | LERNER, RAYMOND C    | A SOCIO MEDICAL STUDY OF INDUCED ABORTION           | 120,100 |
| AM16821-01A1                                | MASIAK, STANLEY J    | BIOCHEMICAL STUDIES OF RED CELL MEMBRANES           | 21,464  |
| AM17593-01                                  | TEWARSON, REGINALD P | NUMERICAL SOLUTION OF RENAL TRANSPORT EQUATIONS     | 15,647  |
| GM20702-01                                  | TURNER, JOHN R       | GENETIC ARCHITECTURE OF ADAPTIVE RACIAL DIFFERENCES | 34,002  |
| HD07545-01                                  | VALINS, STUART       | ANTECEDENTS AND CONSEQUENCES OF OVERCROWDING        | 21,665  |

|                   |    |           |  |
|-------------------|----|-----------|--|
| INSTITUTION TOTAL | 6  | 233,669   |  |
| CITY TOTAL        | 6  | 233,669   |  |
| STATE TOTAL       | 49 | 1,889,493 |  |

|                                                                                  |                       |                                                    |         |
|----------------------------------------------------------------------------------|-----------------------|----------------------------------------------------|---------|
| NORTH CAROLINA                                                                   |                       |                                                    |         |
| CHAPEL HILL                                                                      |                       |                                                    |         |
| UNIVERSITY OF NORTH CAROLINA SYSTEM--UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL |                       |                                                    |         |
| RR00898-01                                                                       | BROOKS, FREDERICK P   | INTERACTIVE GRAPHICS FOR MOLECULAR STUDIES         | 125,000 |
| CA15950-01                                                                       | MC MICHAEL, ANTHONY J | CASE-CONTROL BLADDER TUMOR MORBIDITY STUDY         | 50,386  |
| AM17588-01                                                                       | PENNISTON, JOHN T     | VACUOLE FORMATION IN HUMAN ERYTHROCYTES AND GHOSTS | 44,639  |
| HD06666-01A1                                                                     | RAMEY, CRAIG T        | CAROLINA INFANT VOCALIZATION PROJECT               | 43,793  |

|                   |   |         |  |
|-------------------|---|---------|--|
| INSTITUTION TOTAL | 4 | 263,818 |  |
| CITY TOTAL        | 4 | 263,818 |  |

\* INCLUDES DIRECT COST ONLY FOR NIH RESEARCH AWARDS

NIH  
RESEARCH GRANTS \*

DOLLARS  
AWARDED

| GRANT NUMBER                                              | PRINCIPAL INVESTIGATOR | TITLE OF RESEARCH PROPOSAL                      | DOLLARS AWARDED |
|-----------------------------------------------------------|------------------------|-------------------------------------------------|-----------------|
| NORTH CAROLINA<br>DURHAM<br>DUKE UNIVERSITY<br>CA16917-01 | SHINGLETON, WILLIAM W  | USA-USSR COMPREHENSIVE CANCER CENTER CONFERENCE | 26,598          |

|                   |   |        |
|-------------------|---|--------|
| INSTITUTION TOTAL | 1 | 26,598 |
| CITY TOTAL        | 1 | 26,598 |

|                                                       |                |                                     |        |
|-------------------------------------------------------|----------------|-------------------------------------|--------|
| WINSTON-SALEM<br>WAKE FOREST UNIVERSITY<br>NS11921-01 | LEVITT, MELVIN | SOMATOSENSORY SYSTEMS: CENTRAL PAIN | 28,620 |
|-------------------------------------------------------|----------------|-------------------------------------|--------|

|                   |   |         |
|-------------------|---|---------|
| INSTITUTION TOTAL | 1 | 28,620  |
| CITY TOTAL        | 1 | 28,620  |
| STATE TOTAL       | 6 | 319,036 |

|                                                 |                 |                                              |        |
|-------------------------------------------------|-----------------|----------------------------------------------|--------|
| OHIO<br>ATHENS<br>OHIO UNIVERSITY<br>HD08504-01 | ALMLI, C ROBERT | ONTOGENY OF REACTIVITY TO DIPSOGENIC STIMULI | 13,627 |
|-------------------------------------------------|-----------------|----------------------------------------------|--------|

|                   |   |        |
|-------------------|---|--------|
| INSTITUTION TOTAL | 1 | 13,627 |
| CITY TOTAL        | 1 | 13,627 |

|                                                               |                |                                                    |        |
|---------------------------------------------------------------|----------------|----------------------------------------------------|--------|
| BOWLING GREEN<br>BOWLING GREEN STATE UNIVERSITY<br>AM17157-01 | PANKSEPP, JAAK | MEDIAL HYPOTHALAMIC REGULATION OF FEEDING BEHAVIOR | 18,909 |
|---------------------------------------------------------------|----------------|----------------------------------------------------|--------|

|                   |   |        |
|-------------------|---|--------|
| INSTITUTION TOTAL | 1 | 18,909 |
| CITY TOTAL        | 1 | 18,909 |

|                                                 |                                                            |                             |        |
|-------------------------------------------------|------------------------------------------------------------|-----------------------------|--------|
| CINCINNATI<br>CHILDREN'S HOSPITAL<br>HD08679-01 | MEDICAL CENTER--CHILDREN'S HOSPITAL<br>ZIMMERMAN, ERNEST F | STUDY OF FETAL MOUSE MYOSIN | 33,179 |
|-------------------------------------------------|------------------------------------------------------------|-----------------------------|--------|

|                   |   |        |
|-------------------|---|--------|
| INSTITUTION TOTAL | 1 | 33,179 |
|-------------------|---|--------|

|                                                      |                                              |                                                                                       |                  |
|------------------------------------------------------|----------------------------------------------|---------------------------------------------------------------------------------------|------------------|
| UNIVERSITY OF CINCINNATI<br>A112148-01<br>A112236-01 | BERNSTEIN, I LEONARD<br>BERNSTEIN, I LEONARD | PLATELET FUNCTION IN ASTHMA<br>DOPAMINE EXCRETION IN DIFFERENTIAL DIAGNOSIS OF ASTHMA | 33,195<br>17,000 |
|------------------------------------------------------|----------------------------------------------|---------------------------------------------------------------------------------------|------------------|

|                   |   |        |
|-------------------|---|--------|
| INSTITUTION TOTAL | 2 | 50,195 |
|-------------------|---|--------|

\* INCLUDES DIRECT COST ONLY FOR NIH RESEARCH AWARDS

NIH  
RESEARCH GRANTS \*

| GRANT NUMBER                                  | PRINCIPAL INVESTIGATOR | TITLE OF RESEARCH PROPOSAL                            | DOLLARS AWARDED |
|-----------------------------------------------|------------------------|-------------------------------------------------------|-----------------|
| CITY TOTAL                                    | 3                      | 83,374                                                |                 |
| <b>OHIO</b>                                   |                        |                                                       |                 |
| CLEVELAND                                     |                        |                                                       |                 |
| CASE WESTERN RESERVE UNIVERSITY               |                        |                                                       |                 |
| AM17149-01                                    | BURSTEIN, ALBERT H     | BIOENGINEERING THREE-DIMENSIONAL SPINAL ANALYSIS      | 42,393          |
| CA14715-01                                    | PETRELLI, MARY P       | SPONTANEOUS MOUSE HEPATOMAS AND LATENT MHV VIRUS      | 15,892          |
| INSTITUTION TOTAL                             | 2                      | 58,285                                                |                 |
| CITY TOTAL                                    | 2                      | 58,285                                                |                 |
| <b>COLUMBUS</b>                               |                        |                                                       |                 |
| BATTELLE MEMORIAL INSTITUTE                   |                        |                                                       |                 |
| AM17614-01                                    | HASSLER, CRAIG R       | QUANTIFICATION OF BONE STRESSES DURING REMODELING     | 23,780          |
| INSTITUTION TOTAL                             | 1                      | 23,780                                                |                 |
| <b>OHIO STATE UNIVERSITY</b>                  |                        |                                                       |                 |
| CA15147-01                                    | BALCERZAK, STANLEY P   | LEUKEMIA-LYMPHOMA PROGRAM                             | 130,817         |
| CA15675-01                                    | HORTON, DEREK          | DESIGN AND EVALUATION OF ANTITUMOR NUCLEOSIDE ANALOGS | 28,678          |
| HD07094-01                                    | LI, WEN L              | AN OPEN MODEL FOR POPULATION PROJECTION               | 13,198          |
| CA16058-01                                    | YOHN, DAVID S          | CANCER CENTER SUPPORT GRANT                           | 805,789         |
| INSTITUTION TOTAL                             | 4                      | 978,482                                               |                 |
| CITY TOTAL                                    | 5                      | 1,002,262                                             |                 |
| STATE TOTAL                                   | 12                     | 1,176,457                                             |                 |
| <b>OKLAHOMA</b>                               |                        |                                                       |                 |
| NORMAN                                        |                        |                                                       |                 |
| UNIVERSITY OF OKLAHOMA                        |                        |                                                       |                 |
| CA16893-01                                    | WEINHEIMER, ALFRED J   | WORKSHOP ON MARINE BIOACTIVE SUBSTANCES RESEARCH      | 2,000           |
| INSTITUTION TOTAL                             | 1                      | 2,000                                                 |                 |
| CITY TOTAL                                    | 1                      | 2,000                                                 |                 |
| <b>OKLAHOMA CITY</b>                          |                        |                                                       |                 |
| UNIVERSITY OF OKLAHOMA HEALTH SCIENCES CENTER |                        |                                                       |                 |
| A111238-01A1                                  | MC CALLUM, RODERICK E  | CARBOHYDRATE LOSS DURING EXPERIMENTAL ENDOTOXEMIA     | 18,648          |
| A111019-01A1                                  | SOKATCH, JOHN R        | METABOLISM OF BRANCHED CHAIN AMINO ACIDS              | 20,250          |
| INSTITUTION TOTAL                             | 2                      | 38,898                                                |                 |
| CITY TOTAL                                    | 2                      | 38,898                                                |                 |

\* INCLUDES DIRECT COST ONLY FOR NIH RESEARCH AWARDS

NIH  
RESEARCH GRANTS \*

DOLLARS  
AWARDED

| GRANT NUMBER                                                              | PRINCIPAL INVESTIGATOR | TITLE OF RESEARCH PROPOSAL                            | DOLLARS AWARDED |
|---------------------------------------------------------------------------|------------------------|-------------------------------------------------------|-----------------|
| STATE TOTAL                                                               | 3                      | 40,898                                                |                 |
| OREGON                                                                    |                        |                                                       |                 |
| CORVALLIS                                                                 |                        |                                                       |                 |
| OREGON STATE HIGHER EDUCATION SYSTEM--OREGON STATE UNIVERSITY             |                        |                                                       |                 |
| HD08550-01                                                                | THIES, RICHARD W       | RING EXPANSION ROUTES TO 8,9,13,14-DISECOSTEROIDS     | 17,558          |
| INSTITUTION TOTAL                                                         | 1                      | 17,558                                                |                 |
| CITY TOTAL                                                                | 1                      | 17,558                                                |                 |
| PORTLAND                                                                  |                        |                                                       |                 |
| OREGON OPTOMETRIC CENTER                                                  |                        |                                                       |                 |
| EY01498-01                                                                | GOLLENDER, MORTON      | DEVELOPMENT STUDIES OF STEREOSCOPIC VISION            | 22,646          |
| INSTITUTION TOTAL                                                         | 1                      | 22,646                                                |                 |
| OREGON STATE HIGHER EDUCATION SYSTEM--UNIVERSITY OF OREGON MEDICAL SCHOOL |                        |                                                       |                 |
| CA15290-01                                                                | BENTLEY, J PETER       | CANCER SPREADING FACTORS AS A TARGET FOR ZINC THERAPY | 34,740          |
| HD08237-01                                                                | LOVRIEN, EVERETT W     | GENETIC LINKAGE ANALYSIS IN SELECTED FAMILIES         | 47,500          |
| INSTITUTION TOTAL                                                         | 2                      | 82,240                                                |                 |
| CITY TOTAL                                                                | 3                      | 104,886                                               |                 |
| STATE TOTAL                                                               | 4                      | 122,444                                               |                 |
| PENNSYLVANIA                                                              |                        |                                                       |                 |
| BETHLEHEM                                                                 |                        |                                                       |                 |
| LEHIGH UNIVERSITY                                                         |                        |                                                       |                 |
| GM19856-01                                                                | KRAWIEC, STEVEN S      | CORRELATION OF THERMAL ENVIRONMENT AND RNA STRUCTURE  | 12,115          |
| INSTITUTION TOTAL                                                         | 1                      | 12,115                                                |                 |
| CITY TOTAL                                                                | 1                      | 12,115                                                |                 |
| HERSHEY                                                                   |                        |                                                       |                 |
| PENNSYLVANIA STATE UNIVERSITY MILTON S. HERSHEY MEDICAL CENTER            |                        |                                                       |                 |
| GM21398-01                                                                | MC PHERSON, ALEXANDER  | X-RAY CRYSTALLOGRAPHIC ANALYSES OF PROTEIN STRUCTURE  | 75,560          |
| HD08139-01A1                                                              | NAEYE, RICHARD L       | ENVIRONMENTAL FACTORS AND PERINATAL MORTALITY         | 80,582          |
| INSTITUTION TOTAL                                                         | 2                      | 156,142                                               |                 |
| CITY TOTAL                                                                | 2                      | 156,142                                               |                 |

\* INCLUDES DIRECT COST ONLY FOR NIH RESEARCH AWARDS

NIH  
RESEARCH GRANTS \*

| GRANT NUMBER                                                               | PRINCIPAL INVESTIGATOR                                       | TITLE OF RESEARCH PROPOSAL                                                                                                                   | DOLLARS AWARDED            |
|----------------------------------------------------------------------------|--------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|----------------------------|
| PENNSYLVANIA<br>LEWISBURG<br>BUCKNELL UNIVERSITY<br>GM20073-01A1           | WINSTEAD, MELDRUM B                                          | SYNTHESIS AND SCINTIGRAPHIC STUDY OF 11C COMPOUNDS                                                                                           | 14,139                     |
| INSTITUTION TOTAL                                                          | 1                                                            |                                                                                                                                              | 14,139                     |
| CITY TOTAL                                                                 | 1                                                            |                                                                                                                                              | 14,139                     |
| PHILADELPHIA<br>CHILDREN'S HOSPITAL<br>CA14345-01A1                        | GOODMAN, DAVID B                                             | MEMBRANE TURNOVER/REPAIR IN NORMAL AND MALIGNANT CELLS                                                                                       | 27,130                     |
| INSTITUTION TOTAL                                                          | 1                                                            |                                                                                                                                              | 27,130                     |
| HAHNEMANN MEDICAL COLLEGE AND HOSPITAL OF PHILADELPHIA<br>CA14043-01A1     | BRADY, LUTHER W                                              | RADIATION THERAPY CLINICAL AND RESEARCH CENTER                                                                                               | 55,451                     |
| INSTITUTION TOTAL                                                          | 1                                                            |                                                                                                                                              | 55,451                     |
| INSTITUTE FOR CANCER RESEARCH<br>A111863-01                                | SIMON, LEE D                                                 | MOLECULAR MECHANISMS IN THE ASSEMBLY OF VIRUSES                                                                                              | 37,290                     |
| INSTITUTION TOTAL                                                          | 1                                                            |                                                                                                                                              | 37,290                     |
| PHILADELPHIA COLLEGE OF PHARMACY AND SCIENCE<br>A111399-01                 | NIEBERGALL, PAUL J                                           | METAL BINDING: DRUG ALLERGENICITY AND EFFECTIVENESS                                                                                          | 18,472                     |
| INSTITUTION TOTAL                                                          | 1                                                            |                                                                                                                                              | 18,472                     |
| TEMPLE UNIVERSITY<br>CA15348-01                                            | WILLIAMS, JOHN R                                             | PHOTOSENSITIZATION DUE TO DRUGS                                                                                                              | 17,035                     |
| INSTITUTION TOTAL                                                          | 1                                                            |                                                                                                                                              | 17,035                     |
| THOMAS JEFFERSON UNIVERSITY<br>HD06074-01A1                                | SIEGMAN, MARION J                                            | CONTRACTION OF UTERINE AND INTESTINAL SMOOTH MUSCLE                                                                                          | 23,905                     |
| INSTITUTION TOTAL                                                          | 1                                                            |                                                                                                                                              | 23,905                     |
| UNIVERSITY OF PENNSYLVANIA<br>AM16586-01A1<br>HD07924-01A1<br>AM16598-01A1 | CIVAN, MORTIMER M<br>MACK, ROBERT W<br>MERRITT, ALFRED M, II | TRANSPORT AND THE INTRACELLULAR FLUIDS<br>THE RELATIONSHIP OF INFANT GROWTH TO ADOLESCENT OBESITY<br>DISSECTION OF GASTRIC SECRETORY CONTROL | 59,564<br>77,442<br>32,680 |
| INSTITUTION TOTAL                                                          | 3                                                            |                                                                                                                                              | 169,686                    |
| CITY TOTAL                                                                 | 9                                                            |                                                                                                                                              | 348,969                    |

\* INCLUDES DIRECT COST ONLY FOR NIH RESEARCH AWARDS

NIH  
RESEARCH GRANTS \*

DOLLARS  
AWARDED

| GRANT NUMBER                                                           | PRINCIPAL INVESTIGATOR | TITLE OF RESEARCH PROPOSAL                        |        |
|------------------------------------------------------------------------|------------------------|---------------------------------------------------|--------|
| PENNSYLVANIA<br>PITTSBURGH<br>CARNEGIE-MELLON UNIVERSITY<br>AM18090-01 | JONES, ELIZABETH W     | GENETIC REGULATION OF TETRAHYDROFOLATE METABOLISM |        |
| INSTITUTION TOTAL                                                      | 1                      |                                                   | 29,861 |
| CITY TOTAL                                                             | 1                      |                                                   | 29,861 |

29,861

|                                                                |                       |                                                |         |
|----------------------------------------------------------------|-----------------------|------------------------------------------------|---------|
| UNIVERSITY PARK<br>PENNSYLVANIA STATE UNIVERSITY<br>CA15643-01 | CEGLOWSKI, WALTER S   | LEUKEMOGENESIS AND CELLULAR IMMUNITY           | 18,385  |
| HD06612-01                                                     | DE JONG, GORDON F     | POPULATION REDISTRIBUTION POLICIES             | 27,664  |
| AM17217-01                                                     | SCHRAER, ROSEMARY S   | CARBONIC ANHYDRASE, CALCIUM METABOLISM AND DDT | 44,546  |
| CA16661-01                                                     | VILLAFRANCA, JOSEPH J | CONCAVALIN A-SACCHARIDE STRUCTURAL STUDIES     | 24,530  |
| INSTITUTION TOTAL                                              | 4                     |                                                | 115,125 |
| CITY TOTAL                                                     | 4                     |                                                | 115,125 |
| STATE TOTAL                                                    | 18                    |                                                | 676,351 |

18,385  
27,664  
44,546  
24,530

|                                                                       |                        |                                                       |        |
|-----------------------------------------------------------------------|------------------------|-------------------------------------------------------|--------|
| RHODE ISLAND<br>KINGSTON<br>GORDON RESEARCH CONFERENCES<br>CA16894-01 | CRUICKSHANK, ALEXANDER | GORDON CONFERENCE ON MOLECULAR PATHOLOGY              | 4,053  |
| CA16907-01                                                            | YANOFSKY, CHARLES      | GORDON CONFERENCE ON BIOLOGICAL REGULATORY MECHANISMS | 8,000  |
| INSTITUTION TOTAL                                                     | 2                      |                                                       | 12,053 |
| CITY TOTAL                                                            | 2                      |                                                       | 12,053 |

4,053  
8,000

|                                              |                  |                                                     |        |
|----------------------------------------------|------------------|-----------------------------------------------------|--------|
| PAWTUCKET<br>MEMORIAL HOSPITAL<br>AM17327-01 | STEINER, MANFRED | STUDIES ON ERYTHROLEUKEMIA AND SIDEROBLASTIC ANEMIA | 26,350 |
| INSTITUTION TOTAL                            | 1                |                                                     | 26,350 |
| CITY TOTAL                                   | 1                |                                                     | 26,350 |

26,350

|                                              |                   |                          |        |
|----------------------------------------------|-------------------|--------------------------|--------|
| PROVIDENCE<br>BROWN UNIVERSITY<br>CA16524-01 | PARKER, KATHLYN A | SYNTHESIS OF CROTEPOXIDE | 24,880 |
| INSTITUTION TOTAL                            | 1                 |                          | 24,880 |

24,880

\* INCLUDES DIRECT COST ONLY FOR NIH RESEARCH AWARDS

NIH  
RESEARCH GRANTS \*

| GRANT NUMBER                                                                                                                                     | PRINCIPAL INVESTIGATOR                                       | TITLE OF RESEARCH PROPOSAL                                                                                                                | DOLLARS AWARDED                 |
|--------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|
| RHODE ISLAND<br>PROVIDENCE<br>RHODE ISLAND HOSPITAL<br>HD08977-01                                                                                | SCHWARTZ, ROBERT                                             | CARBOHYDRATE METABOLISM IN THE NEWBORN                                                                                                    | 47,093                          |
| INSTITUTION TOTAL                                                                                                                                | 1                                                            |                                                                                                                                           | 47,093                          |
| CITY TOTAL                                                                                                                                       | 2                                                            |                                                                                                                                           | 71,973                          |
| STATE TOTAL                                                                                                                                      | 5                                                            |                                                                                                                                           | 110,376                         |
| <br>SOUTH CAROLINA<br>CHARLESTON<br>MEDICAL UNIVERSITY OF SOUTH CAROLINA<br>NS11831-01<br>CA14615-01                                             | <br>FITZHARRIS, TIMOTHY P<br>HYNES, JOHN B                   | <br>CONTROL MECHANISMS IN REGENERATION AND POLARITY<br>SYNTHESIS AND EVALUATION OF NEW FOLATE ANTAGONISTS                                 | <br>38,012<br>25,845            |
| INSTITUTION TOTAL                                                                                                                                | 2                                                            |                                                                                                                                           | 63,857                          |
| CITY TOTAL                                                                                                                                       | 2                                                            |                                                                                                                                           | 63,857                          |
| STATE TOTAL                                                                                                                                      | 2                                                            |                                                                                                                                           | 63,857                          |
| <br>TENNESSEE<br>KNOXVILLE<br>UNIVERSITY OF TENNESSEE SYSTEM--UNIVERSITY OF TENNESSEE AT KNOXVILLE<br>CA16278-01<br>AM16610-01A1<br>CA15173-01A1 | <br>COGGIN, JOSEPH H<br>FUHR, JOSEPH E<br>LONGWORTH, JAMES W | <br>CHARACTERIZATION OF FETAL ANTIGENS IN TUMORS<br>SICKLE CELL ANEMIA AND HEMOGLOBIN SYNTHESIS<br>IMMUNOPROTEINS FROM PLASMA CELL TUMORS | <br>107,895<br>36,870<br>68,907 |
| INSTITUTION TOTAL                                                                                                                                | 3                                                            |                                                                                                                                           | 213,672                         |
| CITY TOTAL                                                                                                                                       | 3                                                            |                                                                                                                                           | 213,672                         |
| <br>MEMPHIS<br>UNIVERSITY OF TENNESSEE SYSTEM--UNIVERSITY OF TENNESSEE MEDICAL UNITS<br>CA16927-01<br>AM16437-01A2                               | <br>ARNESON, RICHARD M<br>BRUSH, JAMES S                     | <br>MEMBRANE LIPIDS IN NEUROBLASTOMA DIFFERENTIATION<br>INSULIN PROTEASE--PURIFICATION, MECHANISM, INHIBITION                             | <br>47,738<br>20,631            |
| INSTITUTION TOTAL                                                                                                                                | 2                                                            |                                                                                                                                           | 68,369                          |
| CITY TOTAL                                                                                                                                       | 2                                                            |                                                                                                                                           | 68,369                          |
| <br>NASHVILLE<br>VANDERBILT UNIVERSITY<br>CA17050-01A1                                                                                           | <br>HARSHMAN, SIDNEY                                         | <br>GLYCOPROTEIN AGGLUTININS OF NORMAL & TRANSFORMED CELLS                                                                                | <br>35,785                      |

\* INCLUDES DIRECT COST ONLY FOR NIH RESEARCH AWARDS

NIH  
RESEARCH GRANTS \*DOLLARS  
AWARDED

| GRANT NUMBER                                                                           | PRINCIPAL INVESTIGATOR | TITLE OF RESEARCH PROPOSAL                             | DOLLARS AWARDED |
|----------------------------------------------------------------------------------------|------------------------|--------------------------------------------------------|-----------------|
| <b>TENNESSEE</b>                                                                       |                        |                                                        |                 |
| <b>NASHVILLE</b>                                                                       |                        |                                                        |                 |
| VANDERBILT UNIVERSITY                                                                  | PATTON, JAMES A        | AN EVALUATION OF XRF SCANNING IN THYROID DISEASE       | 19,038          |
| AM17484-01                                                                             | SOUPART, PIERRE        | MALIGNANCY IN MOUSE GERM CELL - CANCER CELL HYBRIDS    | 34,363          |
| CA14953-01                                                                             |                        |                                                        |                 |
| INSTITUTION TOTAL                                                                      | 3                      | 89,186                                                 |                 |
| CITY TOTAL                                                                             | 3                      | 89,186                                                 |                 |
| STATE TOTAL                                                                            | -8                     | 371,227                                                |                 |
| <b>TEXAS</b>                                                                           |                        |                                                        |                 |
| <b>AUSTIN</b>                                                                          |                        |                                                        |                 |
| UNIVERSITY OF TEXAS SYSTEM--UNIVERSITY OF TEXAS AT AUSTIN                              |                        | DEGENERATION-REGENERATION OF NEURONAL CONNECTION       | 39,477          |
| NS11861-01                                                                             | BITTNER, GEORGE D      | BIOLOGY OF THE RETICULOENDOTHELIOSIS VIRUS GROUP       | 45,490          |
| CA16329-01                                                                             | BOSE, HENRY R          | DYNAMIC PROPERTIES OF SPEECH SENSORIMOTOR SYSTEMS      | 60,455          |
| NS10654-01A1                                                                           | SUSSMAN, HARVEY M      |                                                        |                 |
| INSTITUTION TOTAL                                                                      | 3                      | 145,422                                                |                 |
| CITY TOTAL                                                                             | 3                      | 145,422                                                |                 |
| <b>DALLAS</b>                                                                          |                        |                                                        |                 |
| CALLIER CENTER FOR COMMUNICATION DISORDERS                                             |                        | MAGNETICALLY COUPLED DRIVE OF THE EAR                  | 51,027          |
| NS10797-01                                                                             | MOUSHEGIAN, GEORGE     |                                                        |                 |
| INSTITUTION TOTAL                                                                      | 1                      | 51,027                                                 |                 |
| <b>UNIVERSITY OF TEXAS SYSTEM--UNIVERSITY OF TEXAS HEALTH SCIENCE CENTER AT DALLAS</b> |                        |                                                        |                 |
| AI11650-01                                                                             | KLEIN, JAN             | IMMUNOLOGY AND GENETICS OF THE H-2 SYSTEM              | 66,833          |
| AI12191-01                                                                             | MOTICKA, EDWARD J      | ANTIGEN INDUCED NON-SPECIFIC IMMUNOGLOBULIN SECRETION  | 25,123          |
| HD08672-01                                                                             | PRITCHARD, JACK A      | AN ORGAN COMMUNICATION SYSTEM FOR INITIATION OF LABOR  | 172,268         |
| INSTITUTION TOTAL                                                                      | 3                      | 264,224                                                |                 |
| CITY TOTAL                                                                             | 4                      | 315,251                                                |                 |
| <b>DENTON</b>                                                                          |                        |                                                        |                 |
| TEXAS WOMAN'S UNIVERSITY                                                               |                        | EFFECT OF OXYMETHOLONE, F, AND P ON DEMINERALIZED BONE | 28,848          |
| AM15979-01                                                                             | VOSE, GEORGE P         |                                                        |                 |
| INSTITUTION TOTAL                                                                      | 1                      | 28,848                                                 |                 |
| CITY TOTAL                                                                             | 1                      | 28,848                                                 |                 |

\* INCLUDES DIRECT COST ONLY FOR NIH RESEARCH AWARDS

NIH  
RESEARCH GRANTS \*

| GRANT NUMBER                                                                            | PRINCIPAL INVESTIGATOR   | TITLE OF RESEARCH PROPOSAL                              | DOLLARS AWARDED |
|-----------------------------------------------------------------------------------------|--------------------------|---------------------------------------------------------|-----------------|
| <b>TEXAS</b>                                                                            |                          |                                                         |                 |
| GALVESTON                                                                               |                          |                                                         |                 |
| UNIVERSITY OF TEXAS SYSTEM--UNIVERSITY OF TEXAS MEDICAL BRANCH AT GALVESTON             |                          |                                                         |                 |
| NS11453-01A1                                                                            | BROWN, ARTHUR M          | IONIC MOVEMENTS ACROSS NERVE CELL BODY MEMBRANES        | 40,870          |
| INSTITUTION TOTAL                                                                       | 1                        | 40,870                                                  |                 |
| CITY TOTAL                                                                              | 1                        | 40,870                                                  |                 |
| <b>HOUSTON</b>                                                                          |                          |                                                         |                 |
| BAYLOR COLLEGE OF MEDICINE                                                              |                          |                                                         |                 |
| CA15056-01                                                                              | BURZYNSKI, STANISLAW R   | ANTINEOPLASTIC PEPTIDES FROM URINE                      | 46,583          |
| AM17524-01                                                                              | HARRISON, GUNYON M       | ROLE OF THE CILIOSTATIC FACTOR IN CYSTIC FIBROSIS       | 32,415          |
| CA14021-01A1                                                                            | KAUFMAN, RAYMOND H       | IMMUNOLOGICAL PARAMETERS OF INVASIVE CERVICAL CARCINOMA | 38,404          |
| CA15784-01                                                                              | MARTIN, R RUSSELL        | HUMAN MACROPHAGES AND OTHER CELLS IN CARCINOGENESIS     | 37,365          |
| CA16108-01                                                                              | TWOMEY, JEREMIAH J       | TYPE AND REACTIVITY OF CELLS RELEASED FROM LYMPHOMAS    | 17,795          |
| INSTITUTION TOTAL                                                                       | 5                        | 172,562                                                 |                 |
| <b>RICE UNIVERSITY</b>                                                                  |                          |                                                         |                 |
| GM21371-01                                                                              | QUITOCHO, FLORANTE A     | STRUCTURE AND FUNCTION OF SUGAR BINDING PROTEINS        | 61,572          |
| INSTITUTION TOTAL                                                                       | 1                        | 61,572                                                  |                 |
| <b>UNIVERSITY OF HOUSTON</b>                                                            |                          |                                                         |                 |
| HD08980-01                                                                              | MISTLER-LACHMAN, JANET L | CHANGES IN SEMANTIC MEMORY IN MATURITY AND OLD AGE      | 19,268          |
| INSTITUTION TOTAL                                                                       | 1                        | 19,268                                                  |                 |
| <b>UNIVERSITY OF TEXAS SYSTEM--UNIVERSITY OF TEXAS HEALTH SCIENCE CENTER AT HOUSTON</b> |                          |                                                         |                 |
| HD08615-01                                                                              | STANCEL, GEORGE M        | ESTROGEN CONTROL OF UTERINE GROWTH AND CELL DIVISION    | 31,998          |
| INSTITUTION TOTAL                                                                       | 1                        | 31,998                                                  |                 |
| <b>UNIVERSITY OF TEXAS SYSTEM--UNIVERSITY OF TEXAS SYSTEM CANCER CENTER</b>             |                          |                                                         |                 |
| CA16821-01                                                                              | CLARK, R LEE             | 975 ANNUAL SYMPOSIUM ON FUNDAMENTAL CANCER RESEARCH     | 30,837          |
| CA16413-01                                                                              | RAWSON, RULON W          | CANCER CONTROL DEVELOPMENTAL GRANT                      | 300,000         |
| INSTITUTION TOTAL                                                                       | 2                        | 330,837                                                 |                 |
| CITY TOTAL                                                                              | 10                       | 616,237                                                 |                 |
| <b>LUBBOCK</b>                                                                          |                          |                                                         |                 |
| TEXAS TECH UNIVERSITY                                                                   |                          |                                                         |                 |
| AI12120-01                                                                              | JONES, RANDALL T         | SEARCH FOR BACTERIOPHAGES ACTIVE ON N. GONORRHOEA       | 16,624          |
| INSTITUTION TOTAL                                                                       | 1                        | 16,624                                                  |                 |

\* INCLUDES DIRECT COST ONLY FOR NIH RESEARCH AWARDS

NIH  
RESEARCH GRANTS \*

DOLLARS  
AWARDED

| GRANT NUMBER                                                                         | PRINCIPAL INVESTIGATOR | TITLE OF RESEARCH PROPOSAL                           |        |
|--------------------------------------------------------------------------------------|------------------------|------------------------------------------------------|--------|
| CITY TOTAL                                                                           | 1                      | 16,624                                               |        |
| TEXAS                                                                                |                        |                                                      |        |
| SAN ANTONIO                                                                          |                        |                                                      |        |
| UNIVERSITY OF TEXAS SYSTEM--UNIVERSITY OF TEXAS HEALTH SCIENCE CENTER AT SAN ANTONIO | WOEBER, KENNETH A      | FACTORS REGULATING THYROID HORMONE METABOLISM        |        |
| AM17825-01                                                                           |                        |                                                      | 50,162 |
| INSTITUTION TOTAL                                                                    | 1                      | 50,162                                               |        |
| CITY TOTAL                                                                           | 1                      | 50,162                                               |        |
| STATE TOTAL                                                                          | 21                     | 1,213,414                                            |        |
| UTAH                                                                                 |                        |                                                      |        |
| SALT LAKE CITY                                                                       |                        |                                                      |        |
| UTAH STATE HIGHER EDUCATION SYSTEM--UNIVERSITY OF UTAH                               | COLE, BARRY C          | MYCOPLASMA-CELL INTERACTION AND INTERFERON INDUCTION |        |
| AI12103-01                                                                           | MOMMSEN, KENT G        | BLACK CHILDLESSNESS                                  | 31,833 |
| HD08624-01                                                                           |                        |                                                      | 9,986  |
| INSTITUTION TOTAL                                                                    | 2                      | 41,819                                               |        |
| CITY TOTAL                                                                           | 2                      | 41,819                                               |        |
| STATE TOTAL                                                                          | 2                      | 41,819                                               |        |
| VERMONT                                                                              |                        |                                                      |        |
| BURLINGTON                                                                           |                        |                                                      |        |
| UNIVERSITY OF VERMONT AND STATE AGRICULTURAL COLLEGE                                 | ALBERTINI, RICHARD J   | EXPLORATORY STUDIES IN CANCER RESEARCH               |        |
| CA16209-01                                                                           | MELVILLE, DONALD B     | BIOSYNTHESIS AND FUNCTION OF THIOLIMIDAZOLES         | 97,976 |
| GM21232-01                                                                           | MORELAND, MOREY S      | MORPHOLOGIC CHANGES AFTER FEMORAL ROTATION OSTEOTOMY | 22,550 |
| AM17608-01                                                                           |                        |                                                      | 20,842 |
| INSTITUTION TOTAL                                                                    | 3                      | 141,368                                              |        |
| CITY TOTAL                                                                           | 3                      | 141,368                                              |        |
| STATE TOTAL                                                                          | 3                      | 141,368                                              |        |
| VIRGINIA                                                                             |                        |                                                      |        |
| BLACKSBURG                                                                           |                        |                                                      |        |
| VIRGINIA POLYTECHNIC INSTITUTE AND STATE UNIVERSITY                                  | TURNER, E CRAIG, JR    | BIOSYSTEMATICS OF IMMATURE CERATOPOGONIDAE           |        |
| AI11675-01                                                                           |                        |                                                      | 11,088 |
| INSTITUTION TOTAL                                                                    | 1                      | 11,088                                               |        |
| CITY TOTAL                                                                           | 1                      | 11,088                                               |        |

\* INCLUDES DIRECT COST ONLY FOR NIH RESEARCH AWARDS

NIH  
RESEARCH GRANTS \*

DOLLARS  
AWARDED

| GRANT NUMBER                                                        | PRINCIPAL INVESTIGATOR  | TITLE OF RESEARCH PROPOSAL                         |        |
|---------------------------------------------------------------------|-------------------------|----------------------------------------------------|--------|
| VIRGINIA<br>CHARLOTTESVILLE<br>UNIVERSITY OF VIRGINIA<br>AM17591-01 | MITCHELL, WALLACE P, JR | MUCOSAL RESISTANCE AS A FACTOR IN GASTRIC DISEASES | 24,193 |

24,193

|                   |   |        |
|-------------------|---|--------|
| INSTITUTION TOTAL | 1 | 24,193 |
| CITY TOTAL        | 1 | 24,193 |

|                                                            |                     |                                                  |        |
|------------------------------------------------------------|---------------------|--------------------------------------------------|--------|
| RICHMOND<br>VIRGINIA COMMONWEALTH UNIVERSITY<br>CA16112-01 | HARD, RICHARD C, JR | EARLY IMMUNODEFICIENCY AND LATE ONCOGENESIS      | 29,362 |
| CA16627-01                                                 | MARDON, DAVID N     | TREATMENT OF CANDIDA INFECTIONS IN LEUKEMIC MICE | 21,214 |
| CA16073-01                                                 | WAMPLER, GALEN L    | FETAL ISOENZYMES AS BIOLOGIC MARKERS             | 28,057 |

29,362  
21,214  
28,057

|                   |   |         |
|-------------------|---|---------|
| INSTITUTION TOTAL | 3 | 78,633  |
| CITY TOTAL        | 3 | 78,633  |
| STATE TOTAL       | 5 | 113,914 |

|                                                                            |                      |                                                |       |
|----------------------------------------------------------------------------|----------------------|------------------------------------------------|-------|
| WASHINGTON<br>BELLINGHAM<br>WESTERN WASHINGTON STATE COLLEGE<br>HD07116-01 | CVETKOVICH, GEORGE T | SIMULATION OF BIRTH PLANNING DECISION POLICIES | 3,866 |
|----------------------------------------------------------------------------|----------------------|------------------------------------------------|-------|

3,866

|                   |   |       |
|-------------------|---|-------|
| INSTITUTION TOTAL | 1 | 3,866 |
| CITY TOTAL        | 1 | 3,866 |

|                                                      |                  |                                              |        |
|------------------------------------------------------|------------------|----------------------------------------------|--------|
| PULLMAN<br>WASHINGTON STATE UNIVERSITY<br>CA16392-01 | HOSICK, HOWARD L | CULTURE OF PRENEOPLASTIC MAMMARY CELLS       | 25,275 |
| CA15208-01                                           | STARKEY, JEAN R  | SOMATIC MUTATION AND CHEMICAL CARCINOGENESIS | 23,570 |

25,275  
23,570

|                   |   |        |
|-------------------|---|--------|
| INSTITUTION TOTAL | 2 | 48,845 |
| CITY TOTAL        | 2 | 48,845 |

|                                                                 |                   |                                                    |         |
|-----------------------------------------------------------------|-------------------|----------------------------------------------------|---------|
| SEATTLE<br>FRED HUTCHINSON CANCER RESEARCH CENTER<br>CA17117-01 | THOMAS, E DONNALL | PROTECTIVE ENVIRONMENT IN INTENSIVE CANCER THERAPY | 594,741 |
|-----------------------------------------------------------------|-------------------|----------------------------------------------------|---------|

594,741

|                   |   |         |
|-------------------|---|---------|
| INSTITUTION TOTAL | 1 | 594,741 |
|-------------------|---|---------|

\* INCLUDES DIRECT COST ONLY FOR NIH RESEARCH AWARDS

DOLLARS  
AWARDEDNIH  
RESEARCH GRANTS \*

| GRANT NUMBER                                                                 | PRINCIPAL INVESTIGATOR | TITLE OF RESEARCH PROPOSAL                            | DOLLARS AWARDED |
|------------------------------------------------------------------------------|------------------------|-------------------------------------------------------|-----------------|
| WASHINGTON<br>SEATTLE<br>PACIFIC NORTHWEST RESEARCH FOUNDATION<br>CAL6308-01 | SPACKMAN, DARREL H     | FREE AMINO ACIDS IN NORMAL AND TUMOR-BEARING MICE     | 22,047          |
| INSTITUTION TOTAL                                                            | 1                      | 22,047                                                |                 |
| UNIVERSITY OF WASHINGTON                                                     |                        |                                                       |                 |
| ES01049-01                                                                   | BOATMAN, EDWIN S       | EFFECT OF OZONE ON LUNG GROWTH AND DEVELOPMENT        | 32,950          |
| GM20879-01                                                                   | BOEKER, ELIZABETH A    | HISTAMINE BIOSYNTHESIS                                | 14,257          |
| AI10938-01A1                                                                 | EVANS, CHARLES A       | FLORA OF HUMAN SKIN                                   | 24,029          |
| AI11915-01                                                                   | EVANS, CHARLES A       | INDIVIDUAL DIFFERENCES IN SURFACE FLORA OF ACNE SKIN  | 22,043          |
| HD08511-01                                                                   | FINK, B RAYMOND        | MATURATION OF LARYNX IN RELATION TO INFANT DEATH      | 22,817          |
| CA13675-01                                                                   | LEE, JOHN A            | DETERMINANTS OF FATAL SKIN TUMORS, U. S. 1950-67      | 16,660          |
| RR05758-01                                                                   | LEININGER, MADELEINE M | GENERAL RESEARCH SUPPORT GRANT                        | 38,163          |
| HD08554-01                                                                   | SHEPARD, THOMAS H      | TERATOGENICITY OF CYTOCHALASINS AND PLANT METABOLITES | 29,865          |
| INSTITUTION TOTAL                                                            | 8                      | 200,784                                               |                 |
| CITY TOTAL                                                                   | 10                     | 817,572                                               |                 |
| STATE TOTAL                                                                  | 13                     | 870,283                                               |                 |
| WISCONSIN<br>MADISON                                                         |                        |                                                       |                 |
| UNIVERSITY OF WISCONSIN SYSTEM--UNIVERSITY OF WISCONSIN-MADISON              |                        |                                                       |                 |
| AM17293-01                                                                   | BASS, PAUL             | LAXATIVE EFFECTS ON INTESTINAL MOTILITY               | 14,046          |
| AM18104-01                                                                   | EHRlich, EDWARD N      | INSULIN MODE OF ACTION IN TOAD SKINS                  | 26,685          |
| CA16265-01                                                                   | JEFCOATE, COLIN R      | CYTOCHROME P450 CARCINOGENESIS & STEROID SYNTHESIS    | 61,245          |
| AM17281-01                                                                   | MUKERJEE, PASUPATI     | BILE SALTS AS ATYPICAL SURFACTANTS AND SOLUBILIZERS   | 20,458          |
| AM17171-01A1                                                                 | SNOWDON, CHARLES T     | CONTROL MECHANISMS OF PATHOLOGICAL FEEDING BEHAVIORS  | 51,230          |
| INSTITUTION TOTAL                                                            | 5                      | 173,664                                               |                 |
| CITY TOTAL                                                                   | 5                      | 173,664                                               |                 |
| MILWAUKEE<br>MEDICAL COLLEGE OF WISCONSIN                                    |                        |                                                       |                 |
| NS11182-01                                                                   | CHERAYIL, GEORGE D     | TOXIC METABOLITES OF L-DOPA IN PARKINSON'S DISEASE    | 16,900          |
| INSTITUTION TOTAL                                                            | 1                      | 16,900                                                |                 |
| MILWAUKEE BLOOD CENTER                                                       |                        |                                                       |                 |
| AI12507-01                                                                   | DUQUESNOY, RENE J      | PREVENTION OF IMMUNODEFICIENCY                        | 28,215          |
| INSTITUTION TOTAL                                                            | 1                      | 28,215                                                |                 |
| CITY TOTAL                                                                   | 2                      | 45,115                                                |                 |

\* INCLUDES DIRECT COST ONLY FOR NIH RESEARCH AWARDS

NIH  
RESEARCH GRANTS \*DOLLARS  
AWARDED

| GRANT NUMBER          | PRINCIPAL INVESTIGATOR | TITLE OF RESEARCH PROPOSAL                          | DOLLARS AWARDED |
|-----------------------|------------------------|-----------------------------------------------------|-----------------|
| STATE TOTAL           | 7                      | 218,779                                             |                 |
| CANADA                |                        |                                                     |                 |
| EDMONTON              |                        |                                                     |                 |
| UNIVERSITY OF ALBERTA |                        |                                                     |                 |
| GM21294-01            | VON BORSTEL, ROBERT C  | INDUCTION OF MUTATOR ACTIVITY BY IONIZING RADIATION | 30,000          |
| INSTITUTION TOTAL     | 1                      | 30,000                                              |                 |
| CITY TOTAL            | 1                      | 30,000                                              |                 |
| STATE TOTAL           | 1                      | 30,000                                              |                 |
| ISRAEL                |                        |                                                     |                 |
| TEL AVIV              |                        |                                                     |                 |
| TEL AVIV UNIVERSITY   |                        |                                                     |                 |
| A11194-01A1           | PICK, EDGAR            | MECHANISM AND ACTION OF MACROPHAGE (MIF)            | 19,396          |
| INSTITUTION TOTAL     | 1                      | 19,396                                              |                 |
| CITY TOTAL            | 1                      | 19,396                                              |                 |
| STATE TOTAL           | 1                      | 19,396                                              |                 |
| UNITED KINGDOM        |                        |                                                     |                 |
| LONDON                |                        |                                                     |                 |
| UNIVERSITY OF LONDON  |                        |                                                     |                 |
| HD08203-01            | LANDAUER, WALTER       | MOLECULAR SHAPE AND TERATOGENIC SPECIFICITY         | 9,262           |
| INSTITUTION TOTAL     | 1                      | 9,262                                               |                 |
| CITY TOTAL            | 1                      | 9,262                                               |                 |
| STATE TOTAL           | 1                      | 9,262                                               |                 |
| TOTAL                 | 345                    | 18,376,541                                          |                 |

\* INCLUDES DIRECT COST ONLY FOR NIH RESEARCH AWARDS

NIH  
RESEARCH CONTRACTS

DOLLARS  
AWARDED

| CONTRACT NUMBER                                                            | PROJECT DIRECTOR | SCOPE OF WORK                                         | DOLLARS AWARDED |
|----------------------------------------------------------------------------|------------------|-------------------------------------------------------|-----------------|
| <br>                                                                       |                  |                                                       |                 |
| ALABAMA<br>BIRMINGHAM<br>UNIVERSITY OF ALABAMA IN BIRMINGHAM<br>CP43394-00 | LAMON, EDDIE W   | RELATION OF EMBRYONIC ANTIGEN TO TUMOR ANTIGENS       | 55,646          |
| INSTITUTION TOTAL                                                          | 1                |                                                       | 55,646          |
| CITY TOTAL                                                                 | 1                |                                                       | 55,646          |
| STATE TOTAL                                                                | 1                |                                                       | 55,646          |
| <br>                                                                       |                  |                                                       |                 |
| CONNECTICUT<br>NEW HAVEN<br>YALE UNIVERSITY<br>HD52800-00                  | WHITE, COLIN     | EPIDEMIOLOGICAL STUDY OF ANTIFERTILITY METHODS        | 110,965         |
| INSTITUTION TOTAL                                                          | 1                |                                                       | 110,965         |
| CITY TOTAL                                                                 | 1                |                                                       | 110,965         |
| STATE TOTAL                                                                | 1                |                                                       | 110,965         |
| <br>                                                                       |                  |                                                       |                 |
| DIST OF COL<br>WASHINGTON<br>NATIONAL ACADEMY OF SCIENCES<br>CP43396-00    | MARTIN, MARGARET | A REVIEW OF SKIN CANCER STATISTICS                    | 13,560          |
| INSTITUTION TOTAL                                                          | 1                |                                                       | 13,560          |
| CITY TOTAL                                                                 | 1                |                                                       | 13,560          |
| STATE TOTAL                                                                | 1                |                                                       | 13,560          |
| <br>                                                                       |                  |                                                       |                 |
| MARYLAND<br>BALTIMORE<br>JOHNS HOPKINS UNIVERSITY<br>CP43330-00            | AURELIAN, LAURE  | HERPES SIMPLEX ASSOCIATED ANTIGENS IN CANCER PATIENTS | 133,715         |
| INSTITUTION TOTAL                                                          | 1                |                                                       | 133,715         |
| CITY TOTAL                                                                 | 1                |                                                       | 133,715         |
| <br>                                                                       |                  |                                                       |                 |
| BETHESDA<br>MICROBIOLOGICAL ASSOCIATES<br>NS52301-00                       | MCKINNEY, ROBERT | PREPARATION AND DELIVERY OF VARIOUS CELL CULTURES     | 44,480          |
| INSTITUTION TOTAL                                                          | 1                |                                                       | 44,480          |

NIH  
RESEARCH CONTRACTS

DOLLARS  
AWARDED

| CONTRACT NUMBER                     | PROJECT DIRECTOR   | SCOPE OF WORK                                       |         |
|-------------------------------------|--------------------|-----------------------------------------------------|---------|
| CITY TOTAL                          | 1                  | 44,480                                              |         |
| STATE TOTAL                         | 2                  | 178,195                                             |         |
| MASSACHUSETTS                       |                    |                                                     |         |
| BOSTON                              |                    |                                                     |         |
| HARVARD UNIVERSITY                  |                    |                                                     |         |
| HD52801-00                          | ROTHMAN, KENNETH J | EVALUATING EFFECT OF ANTI-FERTILITY AGENTS          | 87,130  |
| INSTITUTION TOTAL                   | 1                  | 87,130                                              |         |
| CITY TOTAL                          | 1                  | 87,130                                              |         |
| STATE TOTAL                         | 1                  | 87,130                                              | 87,130  |
| NEW JERSEY                          |                    |                                                     |         |
| MAYWOOD                             |                    |                                                     |         |
| PFIZER, INC.                        |                    |                                                     |         |
| CM53805-00                          | LARSON, DAVID      | PREPARATION AND PURIFICATION OF VIRAL COMPONENTS    | 168,991 |
| INSTITUTION TOTAL                   | 1                  | 168,991                                             |         |
| CITY TOTAL                          | 1                  | 168,991                                             |         |
| STATE TOTAL                         | 1                  | 168,991                                             | 168,991 |
| NEW YORK                            |                    |                                                     |         |
| ALBANY                              |                    |                                                     |         |
| NEW YORK STATE DEPARTMENT OF HEALTH |                    |                                                     |         |
| HD52802-00                          | JANERICH, DWIGHT T | EVALUATING EFFECT OF ANTI-FERTILITY AGENTS          | 54,491  |
| INSTITUTION TOTAL                   | 1                  | 54,491                                              |         |
| CITY TOTAL                          | 1                  | 54,491                                              |         |
| NEW YORK                            |                    |                                                     |         |
| AMERICAN CANCER SOCIETY             |                    |                                                     |         |
| CM53807-00                          | ARJE, SIDNEY L     | NATIONAL CONFERENCE ON ADVANCE IN CANCER MANAGEMENT | 50,000  |
| INSTITUTION TOTAL                   | 1                  | 50,000                                              |         |
| CITY TOTAL                          | 1                  | 50,000                                              |         |
| STATE TOTAL                         | 2                  | 104,491                                             | 50,000  |

NIH  
RESEARCH CONTRACTS

DOLLARS  
AWARDED

| CONTRACT NUMBER                                                                                                            | PROJECT DIRECTOR    | SCOPE OF WORK                                         |                               |
|----------------------------------------------------------------------------------------------------------------------------|---------------------|-------------------------------------------------------|-------------------------------|
| NORTH CAROLINA<br>DURHAM<br>DUKE UNIVERSITY<br>CP43395-00                                                                  | WELLS, SAMUEL A     | RELATION OF EMBRYONIC ANTIGEN TO TUMOR ANTIGENS       | 77,624<br>77,624<br>77,624    |
| INSTITUTION TOTAL<br>CITY TOTAL                                                                                            | 1<br>1              |                                                       |                               |
| STATE TOTAL                                                                                                                | 1                   |                                                       | 77,624                        |
| TENNESSEE<br>KNOXVILLE<br>UNIVERSITY OF TENNESSEE SYSTEM--UNIVERSITY OF TENNESSEE AT KNOXVILLE<br>COGGIN, JOSEPH H         |                     | RELATION OF EMBRYONIC ANTIGEN TO TUMOR ANTIGENS       | 145,000<br>145,000<br>145,000 |
| INSTITUTION TOTAL<br>CITY TOTAL                                                                                            | 1<br>1              |                                                       |                               |
| STATE TOTAL                                                                                                                | 1                   |                                                       | 145,000                       |
| TEXAS<br>HOUSTON<br>UNIVERSITY OF TEXAS SYSTEM--UNIVERSITY OF TEXAS SYSTEM CANCER CENTER<br>- CP43370-00<br>BOWEN, JAMES M |                     | IMMUNOLOGICAL STUDIES ON HUMAN BREAST CARCINOMA       | 105,881<br>105,881<br>105,881 |
| INSTITUTION TOTAL<br>CITY TOTAL                                                                                            | 1<br>1              |                                                       |                               |
| STATE TOTAL                                                                                                                | 1                   |                                                       | 105,881                       |
| VIRGINIA<br>MC LEAN<br>JRB ASSOCIATES<br>CO45425-00                                                                        | STAHLMAN, WILLIAM K | PLANNING THE NCP BUDGETING AND IMPLEMENTATION SUPPORT | 659,021<br>659,021<br>659,021 |
| INSTITUTION TOTAL<br>CITY TOTAL                                                                                            | 1<br>1              |                                                       |                               |
| STATE TOTAL                                                                                                                | 1                   |                                                       | 659,021                       |
| ISRAEL<br>REHOVOTH<br>WEIZMANN INSTITUTE OF SCIENCE<br>NS52300-00                                                          | SHAPIRO, DAVID      | PRODUCE 3 RADIOLABELED GLYCOLIPID SUBSTANCES          |                               |
|                                                                                                                            |                     |                                                       | 33,150                        |

NIH  
RESEARCH CONTRACTS

| CONTRACT NUMBER   | PROJECT DIRECTOR | SCOPE OF WORK |
|-------------------|------------------|---------------|
| INSTITUTION TOTAL | 1                | 33,150        |
| CITY TOTAL        | 1                | 33,150        |
| STATE TOTAL       | 1                | 33,150        |
| TOTAL             | 14               | 1,739,654     |

NIH  
RESEARCH TRAINING GRANTS

DOLLARS  
AWARDED

| GRANT NUMBER                                                               | PROGRAM DIRECTOR     | TITLE OF PROGRAM                                       |         |
|----------------------------------------------------------------------------|----------------------|--------------------------------------------------------|---------|
| ALABAMA                                                                    |                      |                                                        |         |
| BIRMINGHAM                                                                 |                      |                                                        |         |
| UNIVERSITY OF ALABAMA IN BIRMINGHAM                                        |                      |                                                        |         |
| GM00130-01                                                                 | ACTON, RONALD T      | PATHOLOGY OF MEMBRANES AND ORGANELLES                  |         |
| INSTITUTION TOTAL                                                          | 1                    |                                                        | 64,525  |
| CITY TOTAL                                                                 | 1                    |                                                        | 64,525  |
| STATE TOTAL                                                                | 1                    |                                                        | 64,525  |
| ARIZONA                                                                    |                      |                                                        |         |
| TUCSON                                                                     |                      |                                                        |         |
| UNIVERSITY OF ARIZONA                                                      |                      |                                                        |         |
| GM00071-01                                                                 | BRESSLER, RUBIN      | CLINICAL PHARMACOLOGY                                  |         |
| INSTITUTION TOTAL                                                          | 1                    |                                                        | 35,618  |
| CITY TOTAL                                                                 | 1                    |                                                        | 35,618  |
| STATE TOTAL                                                                | 1                    |                                                        | 35,618  |
| CALIFORNIA                                                                 |                      |                                                        |         |
| LA JOLLA                                                                   |                      |                                                        |         |
| UNIVERSITY OF CALIFORNIA SYSTEM--UNIVERSITY OF CALIFORNIA AT SAN DIEGO     |                      |                                                        |         |
| GM00054-01                                                                 | SEEGMILLER, JARVIS E | MEDICAL GENETICS                                       |         |
| INSTITUTION TOTAL                                                          | 1                    |                                                        | 54,286  |
| CITY TOTAL                                                                 | 1                    |                                                        | 54,286  |
| LOS ANGELES                                                                |                      |                                                        |         |
| UNIVERSITY OF CALIFORNIA SYSTEM--UNIVERSITY OF CALIFORNIA AT LOS ANGELES   |                      |                                                        |         |
| HL06020-17                                                                 | ROSS, JOSEPH F       | HEMATOLOGY AND HEMATOLOGIC ONCOLOGY                    |         |
| INSTITUTION TOTAL                                                          | 1                    |                                                        | 78,160  |
| UNIVERSITY OF SOUTHERN CALIFORNIA                                          |                      |                                                        |         |
| DE00134-01                                                                 | SLAVKIN, HAROLD C    | MULTIDISCIPLINARY - CRANIOFACIAL DEVELOPMENTAL BIOLOGY |         |
| INSTITUTION TOTAL                                                          | 1                    |                                                        | 82,620  |
| CITY TOTAL                                                                 | 2                    |                                                        | 160,780 |
| SAN FRANCISCO                                                              |                      |                                                        |         |
| UNIVERSITY OF CALIFORNIA SYSTEM--UNIVERSITY OF CALIFORNIA AT SAN FRANCISCO |                      |                                                        |         |
| AI00011-01                                                                 | FRICK, OSCAR L       | IMMUNOLOGY-ALLERGY RESEARCH                            |         |

34,808

NIH  
RESEARCH TRAINING GRANTS

DOLLARS  
AWARDED

| GRANT NUMBER                                                                              | PROGRAM DIRECTOR       | TITLE OF PROGRAM                                |         |
|-------------------------------------------------------------------------------------------|------------------------|-------------------------------------------------|---------|
| CALIFORNIA                                                                                |                        |                                                 |         |
| SAN FRANCISCO                                                                             |                        |                                                 |         |
| UNIVERSITY OF CALIFORNIA SYSTEM--UNIVERSITY OF CALIFORNIA AT SAN FRANCISCO                |                        |                                                 |         |
| GM00001-01                                                                                | MELMON, KENNETH L      | CLINICAL PHARMACOLOGY AND PHARMACOKINETICS      | 193,320 |
| INSTITUTION TOTAL 2 228,128                                                               |                        |                                                 |         |
| CITY TOTAL 2 228,128                                                                      |                        |                                                 |         |
| STANFORD                                                                                  |                        |                                                 |         |
| STANFORD UNIVERSITY                                                                       |                        |                                                 |         |
| GM00198-01                                                                                | LEDERBERG, JOSHUA      | MEDICAL GENETICS                                | 48,672  |
| INSTITUTION TOTAL 1 48,672                                                                |                        |                                                 |         |
| CITY TOTAL 1 48,672                                                                       |                        |                                                 |         |
| TORRANCE                                                                                  |                        |                                                 |         |
| LOS ANGELES COUNTY HEALTH SERVICES DEPARTMENT--LOS ANGELES COUNTY HARBOR GENERAL HOSPITAL |                        |                                                 |         |
| DE00102-01                                                                                | STEWART, RAY E         | ORAL-FACIAL GENETICS AND CRANIOFACIAL ANOMALIES | 34,290  |
| INSTITUTION TOTAL 1 34,290                                                                |                        |                                                 |         |
| CITY TOTAL 1 34,290                                                                       |                        |                                                 |         |
| STATE TOTAL 7 526,156                                                                     |                        |                                                 |         |
| COLORADO                                                                                  |                        |                                                 |         |
| DENVER                                                                                    |                        |                                                 |         |
| UNIVERSITY OF COLORADO MEDICAL CENTER                                                     |                        |                                                 |         |
| HD00429-01                                                                                | BATTAGLIA, FREDERICK C | PERINATAL MEDICINE                              | 87,513  |
| HD00311-01A2                                                                              | VERNADAKIS, ANTONIA    | DEVELOPMENTAL PHARMACOLOGY                      | 27,811  |
| INSTITUTION TOTAL 2 115,324                                                               |                        |                                                 |         |
| CITY TOTAL 2 115,324                                                                      |                        |                                                 |         |
| STATE TOTAL 2 115,324                                                                     |                        |                                                 |         |
| CONNECTICUT                                                                               |                        |                                                 |         |
| FARMINGTON                                                                                |                        |                                                 |         |
| UNIVERSITY OF CONNECTICUT HEALTH CENTER                                                   |                        |                                                 |         |
| DE00136-01                                                                                | BURSTONE, CHARLES J    | BIOENGINEERING AND ORTHODONTICS                 | 54,000  |
| DE00202-01                                                                                | YAEGER, JAMES A        | CRANIOFACIAL ANOMALIES                          | 50,976  |
| INSTITUTION TOTAL 2 104,976                                                               |                        |                                                 |         |
| CITY TOTAL 2 104,976                                                                      |                        |                                                 |         |

NIH  
RESEARCH TRAINING GRANTS

DOLLARS  
AWARDED

| GRANT NUMBER    | PROGRAM DIRECTOR    | TITLE OF PROGRAM       |         |
|-----------------|---------------------|------------------------|---------|
| CONNECTICUT     |                     |                        |         |
| NEW HAVEN       |                     |                        |         |
| YALE UNIVERSITY |                     |                        |         |
| GM00167-01      | MARCHESI, VINCENT T | PATHOLOGY OF MEMBRANES | 139,968 |
| GM00077-01      | ROSENBERG, LEON E   | MEDICAL GENETICS       | 73,440  |

|                   |   |         |
|-------------------|---|---------|
| INSTITUTION TOTAL | 2 | 213,408 |
| CITY TOTAL        | 2 | 213,408 |
| STATE TOTAL       | 4 | 318,384 |

|                   |                   |                     |         |
|-------------------|-------------------|---------------------|---------|
| DIST OF COL       |                   |                     |         |
| WASHINGTON        |                   |                     |         |
| HOWARD UNIVERSITY |                   |                     |         |
| GM05010-01        | HOLLOWAY, JAMES A | PHYSIOLOGY          | 987,833 |
| GM05008-01        | LEAK, LEE V       | ANATOMICAL SCIENCES | 304,053 |
| GM05001-01        | TAYLOR, MODDIE D  | BIOCHEMISTRY        | 433,809 |
| GM05000-01        | WEST, WILLIAM L   | PHARMACOLOGY        | 607,538 |

|                   |   |           |
|-------------------|---|-----------|
| INSTITUTION TOTAL | 4 | 2,333,233 |
| CITY TOTAL        | 4 | 2,333,233 |
| STATE TOTAL       | 4 | 2,333,233 |

|                    |                 |                                |         |
|--------------------|-----------------|--------------------------------|---------|
| GEORGIA            |                 |                                |         |
| ATLANTA            |                 |                                |         |
| ATLANTA UNIVERSITY |                 |                                |         |
| GM05007-01         | HUNTER, ROY, JR | DEVELOPMENTAL AND CELL BIOLOGY | 450,279 |

|                   |   |         |
|-------------------|---|---------|
| INSTITUTION TOTAL | 1 | 450,279 |
| CITY TOTAL        | 1 | 450,279 |
| STATE TOTAL       | 1 | 450,279 |

|                                                            |                    |                |        |
|------------------------------------------------------------|--------------------|----------------|--------|
| HAWAII                                                     |                    |                |        |
| HONOLULU                                                   |                    |                |        |
| UNIVERSITY OF HAWAII SYSTEM--UNIVERSITY OF HAWAII AT MANOA |                    |                |        |
| HD00400-01A1                                               | ASHTON, GEOFFREY C | HUMAN GENETICS | 72,838 |

|                   |   |        |
|-------------------|---|--------|
| INSTITUTION TOTAL | 1 | 72,838 |
| CITY TOTAL        | 1 | 72,838 |
| STATE TOTAL       | 1 | 72,838 |

NTH  
RESEARCH TRAINING GRANTS

DOLLARS  
AWARDED

| GRANT NUMBER                                                                                                                       | PROGRAM DIRECTOR                                           | TITLE OF PROGRAM                                              | DOLLARS<br>AWARDED         |
|------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------|---------------------------------------------------------------|----------------------------|
| ILLINOIS<br>CHICAGO<br>NORTHWESTERN UNIVERSITY<br>A100013-01                                                                       | PATTERSON, ROY                                             | INSTITUTIONAL RESEARCH FELLOWSHIP AWARD                       | 29,700                     |
| INSTITUTION TOTAL                                                                                                                  | 1                                                          |                                                               | 29,700                     |
| RUSH-PRESBYTERIAN-ST. LUKE'S MEDICAL CENTER<br>HL06021-01                                                                          | TROBAUGH, FRANK E, JR                                      | HEMATOLOGY                                                    | 41,344                     |
| INSTITUTION TOTAL                                                                                                                  | 1                                                          |                                                               | 41,344                     |
| UNIVERSITY OF CHICAGO<br>HD00419-01<br>A100184-01                                                                                  | MC NEILL, DAVID<br>ROIZMAN, BERNARD                        | DEVELOPMENTAL PSYCHOLINGUISTICS<br>VENEREAL DISEASES          | 42,213<br>47,428           |
| INSTITUTION TOTAL                                                                                                                  | 2                                                          |                                                               | 89,641                     |
| UNIVERSITY OF ILLINOIS SYSTEM--UNIVERSITY OF ILLINOIS AT THE MEDICAL CENTER<br>DE00179-01                                          | WATERHOUSE, JOHN P                                         | PATHOLOGY/BIOCHEMISTRY OF SOFT TISSUE DESTRUCTION             | 60,480                     |
| INSTITUTION TOTAL                                                                                                                  | 1                                                          |                                                               | 60,480                     |
| CITY TOTAL                                                                                                                         | 5                                                          |                                                               | 221,165                    |
| STATE TOTAL                                                                                                                        | 5                                                          |                                                               | 221,165                    |
| INDIANA<br>INDIANAPOLIS<br>INDIANA UNIVERSITY SYSTEM--INDIANA UNIVERSITY AT INDIANAPOLIS<br>DE00007-01<br>A100030-01<br>GM00008-01 | BIXLER, DAVID<br>BROOKS, GEORGE F, JR<br>MERRITT, A DONALD | ORAL-FACIAL GENETICS<br>VENEREAL DISEASES<br>MEDICAL GENETICS | 81,270<br>37,008<br>34,992 |
| INSTITUTION TOTAL                                                                                                                  | 3                                                          |                                                               | 153,270                    |
| CITY TOTAL                                                                                                                         | 3                                                          |                                                               | 153,270                    |
| LAFAYETTE<br>PURDUE UNIVERSITY<br>HD00427-01                                                                                       | ALTMAN, JOSEPH                                             | RETARDATION OF NEURAL AND BEHAVIORAL DEVELOPMENT              | 91,985                     |
| INSTITUTION TOTAL                                                                                                                  | 1                                                          |                                                               | 91,985                     |
| CITY TOTAL                                                                                                                         | 1                                                          |                                                               | 91,985                     |

NIH  
RESEARCH TRAINING GRANTS

DOLLARS  
AWARDED

| GRANT NUMBER                          | PROGRAM DIRECTOR  | TITLE OF PROGRAM                                      |         |
|---------------------------------------|-------------------|-------------------------------------------------------|---------|
| <b>INDIANA</b>                        |                   |                                                       |         |
| NOTRE DAME                            |                   |                                                       |         |
| UNIVERSITY OF NOTRE DAME              |                   |                                                       |         |
| HD00329-01A1                          | BORKOWSKI, JOHN G | MENTAL RETARDATION                                    | 45,821  |
| INSTITUTION TOTAL                     | 1                 |                                                       | 45,821  |
| CITY TOTAL                            | 1                 |                                                       | 45,821  |
| STATE TOTAL                           | 5                 |                                                       | 291,076 |
| <b>MARYLAND</b>                       |                   |                                                       |         |
| BALTIMORE                             |                   |                                                       |         |
| JCHNS HOPKINS UNIVERSITY              |                   |                                                       |         |
| GM00145-01                            | BOYER, SAMUEL H   | MEDICAL GENETICS                                      | 72,000  |
| GM00182-01                            | LITMAN, PAUL S    | CLINICAL PHARMACOLOGY                                 | 38,160  |
| INSTITUTION TOTAL                     | 2                 |                                                       | 110,160 |
| CITY TOTAL                            | 2                 |                                                       | 110,160 |
| STATE TOTAL                           | 2                 |                                                       | 110,160 |
| <b>MASSACHUSETTS</b>                  |                   |                                                       |         |
| BOSTON                                |                   |                                                       |         |
| BOSTON UNIVERSITY                     |                   |                                                       |         |
| GM00176-01                            | SMALL, DONALD M   | LIPID BIOPHYSICS OF NORMAL AND PATHOLOGICAL MEMBRANES | 40,320  |
| INSTITUTION TOTAL                     | 1                 |                                                       | 40,320  |
| <b>HARVARD UNIVERSITY</b>             |                   |                                                       |         |
| GM00156-01                            | GERALD, PARK S    | MEDICAL GENETICS                                      | 55,440  |
| INSTITUTION TOTAL                     | 1                 |                                                       | 55,440  |
| CITY TOTAL                            | 2                 |                                                       | 95,760  |
| <b>CAMBRIDGE</b>                      |                   |                                                       |         |
| MASSACHUSETTS INSTITUTE OF TECHNOLOGY |                   |                                                       |         |
| DE00049-01                            | MILLER, SANFORD A | ORAL SCIENCE, NUTRITION & METABOLISM                  | 33,021  |
| INSTITUTION TOTAL                     | 1                 |                                                       | 33,021  |
| CITY TOTAL                            | 1                 |                                                       | 33,021  |
| STATE TOTAL                           | 3                 |                                                       | 128,781 |

NIH  
RESEARCH TRAINING GRANTS

DOLLARS  
AWARDED

| GRANT NUMBER                                                                               | PROGRAM DIRECTOR                      | TITLE OF PROGRAM                                                           | DOLLARS AWARDED  |
|--------------------------------------------------------------------------------------------|---------------------------------------|----------------------------------------------------------------------------|------------------|
| MICHIGAN<br>ANN ARBOR<br>UNIVERSITY OF MICHIGAN<br>DE00193-01                              | MOYERS, ROBERT E                      | CRANIOFACIAL ANOMALIES                                                     | 56,447           |
| INSTITUTION TOTAL                                                                          | 1                                     |                                                                            | 56,447           |
| CITY TOTAL                                                                                 | 1                                     |                                                                            | 56,447           |
| STATE TOTAL                                                                                | 1                                     |                                                                            | 56,447           |
| MINNESOTA<br>MINNEAPOLIS<br>UNIVERSITY OF MINNESOTA<br>GM00201-01<br>GM00025-01            | GOLDBERG, NELSON D<br>YUNIS, JORGE J  | CELL MEMBRANCE AND BIOLOGICAL CONTROL<br>MEDICAL GENETICS                  | 67,679<br>54,000 |
| INSTITUTION TOTAL                                                                          | 2                                     |                                                                            | 121,679          |
| CITY TOTAL                                                                                 | 2                                     |                                                                            | 121,679          |
| STATE TOTAL                                                                                | 2                                     |                                                                            | 121,679          |
| NEW YORK<br>BUFFALO<br>STATE UNIVERSITY OF NEW YORK AT BUFFALO<br>DE00141-01<br>DE00173-01 | CHAUDHRY, ANAND P<br>GENCO, ROBERT J  | PATHOLOGY<br>IMMUNOLOGY AND PERIODONTOLOGY                                 | 29,716<br>70,025 |
| INSTITUTION TOTAL                                                                          | 2                                     |                                                                            | 99,741           |
| CITY TOTAL                                                                                 | 2                                     |                                                                            | 99,741           |
| NEW YORK<br>CITY UNIVERSITY OF NEW YORK--MOUNT SINAI SCHOOL OF MEDICINE<br>GM00020-01      | HIRSCHHORN, KURT                      | MEDICAL GENETICS                                                           | 38,016           |
| INSTITUTION TOTAL                                                                          | 1                                     |                                                                            | 38,016           |
| COLUMBIA UNIVERSITY<br>GM00142-01<br>HD00440-01                                            | KROOTH, ROBERT S<br>WINTERS, ROBERT W | MEDICAL GENETICS<br>PEDIATRIC NEPHROLOGY, ALLIED FIELDS & RENAL IMMUNOLOGY | 72,720<br>78,856 |
| INSTITUTION TOTAL                                                                          | 2                                     |                                                                            | 151,576          |

NIH  
RESEARCH TRAINING GRANTS

DOLLARS  
AWARDED

| GRANT NUMBER                                                                     | PROGRAM DIRECTOR   | TITLE OF PROGRAM                                     | DOLLARS AWARDED |
|----------------------------------------------------------------------------------|--------------------|------------------------------------------------------|-----------------|
| <b>NEW YORK</b>                                                                  |                    |                                                      |                 |
| NEW YORK                                                                         |                    |                                                      |                 |
| CORNELL UNIVERSITY MEDICAL COLLEGE                                               |                    |                                                      |                 |
| HD00383-01A1                                                                     | LEWY, JOHN E       | DEVELOPMENTAL NEPHROLOGY                             | 36,238          |
| INSTITUTION TOTAL                                                                | 1                  |                                                      | 36,238          |
| <b>NEW YORK UNIVERSITY</b>                                                       |                    |                                                      |                 |
| GM00047-01                                                                       | COX, RODY P        | GENETICS                                             | 51,300          |
| INSTITUTION TOTAL                                                                | 1                  |                                                      | 51,300          |
| CITY TOTAL                                                                       | 5                  |                                                      | 277,130         |
| <b>ROCHESTER</b>                                                                 |                    |                                                      |                 |
| EASTMAN DENTAL CENTER                                                            |                    |                                                      |                 |
| DE00019-01                                                                       | ZANDER, HELMUT A   | PERIODONTAL DISEASES                                 | 65,340          |
| INSTITUTION TOTAL                                                                | 1                  |                                                      | 65,340          |
| CITY TOTAL                                                                       | 1                  |                                                      | 65,340          |
| STATE TOTAL                                                                      | 8                  |                                                      | 442,211         |
| <b>NORTH CAROLINA</b>                                                            |                    |                                                      |                 |
| CHAPEL HILL                                                                      |                    |                                                      |                 |
| UNIVERSITY OF NORTH CAROLINA SYSTEM--UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL |                    |                                                      |                 |
| GM00006-01                                                                       | GRAHAM, JOHN B     | MEDICAL GENETICS                                     | 18,000          |
| HD00424-01                                                                       | STEDMAN, DONALD J  | MENTAL RETARDATION                                   | 63,508          |
| INSTITUTION TOTAL                                                                | 2                  |                                                      | 81,508          |
| CITY TOTAL                                                                       | 2                  |                                                      | 81,508          |
| <b>DURHAM</b>                                                                    |                    |                                                      |                 |
| DUKE UNIVERSITY                                                                  |                    |                                                      |                 |
| A100135-01                                                                       | BUCKLEY, REBECCA H | STUDIES OF MECHANISMS LEADING TO THE ATOPIC RESPONSE | 71,999          |
| GM00100-01                                                                       | ROBERTSON, J DAVID | MEMBRANE STUDIES                                     | 138,237         |
| INSTITUTION TOTAL                                                                | 2                  |                                                      | 210,236         |
| CITY TOTAL                                                                       | 2                  |                                                      | 210,236         |
| STATE TOTAL                                                                      | 4                  |                                                      | 291,744         |

DOLLARS  
AWARDEDNIH  
RESEARCH TRAINING GRANTS

| GRANT NUMBER                         | PROGRAM DIRECTOR   | TITLE OF PROGRAM                                    | DOLLARS AWARDED |
|--------------------------------------|--------------------|-----------------------------------------------------|-----------------|
| OHIO                                 |                    |                                                     |                 |
| COLUMBUS                             |                    |                                                     |                 |
| OHIO STATE UNIVERSITY                | BYERS, THOMAS J    | INTERDISCIPLINARY TRAINING IN DEVELOPMENTAL BIOLOGY | 54,168          |
| HD00431-01                           |                    |                                                     |                 |
| INSTITUTION TOTAL                    | 1                  | 54,168                                              |                 |
| CITY TOTAL                           | 1                  | 54,168                                              |                 |
| STATE TOTAL                          | 1                  | 54,168                                              | 54,168          |
| PENNSYLVANIA                         |                    |                                                     |                 |
| PHILADELPHIA                         |                    |                                                     |                 |
| UNIVERSITY OF PENNSYLVANIA           | COOPER, RICHARD A  | HEMATOLOGY CLINICAL RESEARCH                        | 88,774          |
| HL06019-12                           | MELLMAN, WILLIAM J | MEDICAL GENETICS                                    | 32,670          |
| GM00053-01                           |                    |                                                     |                 |
| INSTITUTION TOTAL                    | 2                  | 121,444                                             |                 |
| CITY TOTAL                           | 2                  | 121,444                                             |                 |
| STATE TOTAL                          | 2                  | 121,444                                             |                 |
| SOUTH CAROLINA                       |                    |                                                     |                 |
| CHARLESTON                           |                    |                                                     |                 |
| MEDICAL UNIVERSITY OF SOUTH CAROLINA | GAFFNEY, THOMAS E  | CLINICAL PHARMACOLOGY                               | 34,992          |
| GM00038-01                           |                    |                                                     |                 |
| INSTITUTION TOTAL                    | 1                  | 34,992                                              |                 |
| CITY TOTAL                           | 1                  | 34,992                                              |                 |
| STATE TOTAL                          | 1                  | 34,992                                              | 34,992          |
| TENNESSEE                            |                    |                                                     |                 |
| NASHVILLE                            |                    |                                                     |                 |
| MEHARRY MEDICAL COLLEGE              | PROCTOR, CHARLES D | PHARMACOLOGY                                        | 431,386         |
| GM05004-01                           |                    |                                                     |                 |
| INSTITUTION TOTAL                    | 1                  | 431,386                                             |                 |
| VANDERBILT UNIVERSITY                |                    |                                                     |                 |
| GM00113-01                           | DATES, JOHN A      | CLINICAL PHARMACOLOGY                               | 38,880          |
| INSTITUTION TOTAL                    | 1                  | 38,880                                              |                 |
| CITY TOTAL                           | 2                  | 470,266                                             |                 |

DOLLARS  
AWARDEDNIH  
RESEARCH TRAINING GRANTS

| GRANT NUMBER               | PROGRAM DIRECTOR                                             | TITLE OF PROGRAM                                     | DOLLARS AWARDED |
|----------------------------|--------------------------------------------------------------|------------------------------------------------------|-----------------|
| <b>TEXAS</b>               |                                                              |                                                      |                 |
| AUSTIN                     |                                                              |                                                      |                 |
| UNIVERSITY OF TEXAS        | SYSTEM--UNIVERSITY OF TEXAS AT AUSTIN                        |                                                      |                 |
| HD00439-01                 | GOUGH, PHILIP B                                              | PSYCHOLINGUISTICS                                    | 54,968          |
| INSTITUTION TOTAL          | 1                                                            | 54,968                                               |                 |
| CITY TOTAL                 | 1                                                            | 54,968                                               |                 |
| <b>DALLAS</b>              |                                                              |                                                      |                 |
| UNIVERSITY OF TEXAS        | SYSTEM--UNIVERSITY OF TEXAS HEALTH SCIENCE CENTER AT DALLAS  |                                                      |                 |
| GM00034-01                 | DIETSCHY, JOHN M                                             | MEMBRANE TRANSPORT IN HEALTH AND IN VARIOUS DISEASES | 38,016          |
| GM00021-01                 | GOLDSTEIN, JOSEPH L                                          | MEDICAL GENETICS                                     | 16,875          |
| INSTITUTION TOTAL          | 2                                                            | 54,891                                               |                 |
| CITY TOTAL                 | 2                                                            | 54,891                                               |                 |
| <b>HOUSTON</b>             |                                                              |                                                      |                 |
| BAYLOR COLLEGE OF MEDICINE |                                                              |                                                      |                 |
| GM00081-01                 | CASKEY, C THOMAS                                             | MEDICAL GENETICS                                     | 33,984          |
| INSTITUTION TOTAL          | 1                                                            | 33,984                                               |                 |
| UNIVERSITY OF TEXAS        | SYSTEM--UNIVERSITY OF TEXAS HEALTH SCIENCE CENTER AT HOUSTON |                                                      |                 |
| DE00035-01                 | LEVY, BARNET M                                               | EXPERIMENTAL PERIODONTOLOGY/IMMUNOLOGY; BIOCHEMISTRY | 62,505          |
| GM00143-01                 | SHAW, MARGERY W                                              | MEDICAL GENETICS                                     | 72,000          |
| INSTITUTION TOTAL          | 2                                                            | 134,505                                              |                 |
| CITY TOTAL                 | 3                                                            | 168,489                                              |                 |
| STATE TOTAL                | 6                                                            | 278,348                                              |                 |
| <b>VIRGINIA</b>            |                                                              |                                                      |                 |
| CHARLOTTESVILLE            |                                                              |                                                      |                 |
| UNIVERSITY OF VIRGINIA     |                                                              |                                                      |                 |
| AT00069-01                 | MANDELL, GERALD L                                            | VENEREAL DISEASES                                    | 35,100          |
| GM00010-01                 | MURAD, FERIC                                                 | CLINICAL PHARMACOLOGY                                | 38,016          |
| INSTITUTION TOTAL          | 2                                                            | 73,116                                               |                 |
| CITY TOTAL                 | 2                                                            | 73,116                                               |                 |

NIH  
RESEARCH TRAINING GRANTS

DOLLARS  
AWARDED

| GRANT NUMBER                     | PROGRAM DIRECTOR | TITLE OF PROGRAM      |        |
|----------------------------------|------------------|-----------------------|--------|
| VIRGINIA                         |                  |                       |        |
| RICHMOND                         |                  |                       |        |
| VIRGINIA COMMONWEALTH UNIVERSITY |                  |                       |        |
| DE00116-01                       | JOY, EDWIN D, JR | PAIN CONTROL RESEARCH | 71,950 |

|                   |   |         |
|-------------------|---|---------|
| INSTITUTION TOTAL | 1 | 71,950  |
| CITY TOTAL        | 1 | 71,950  |
| STATE TOTAL       | 3 | 145,066 |

|                          |                           |                                         |        |
|--------------------------|---------------------------|-----------------------------------------|--------|
| WASHINGTON               |                           |                                         |        |
| SEATTLE                  |                           |                                         |        |
| UNIVERSITY OF WASHINGTON |                           |                                         |        |
| AI00191-01               | HOLMES, KING K            | VENEREAL DISEASES                       | 37,696 |
| AI00125-01               | KENNY, GEORGE E           | IMMUNOLOGY OF VENEREAL DISEASE AGENTS   | 31,725 |
| DE00073-01               | / MOFFETT, BENJAMIN C, JR | INTERDISCIPLINARY CRANIOFACIAL RESEARCH | 95,040 |
| GM00197-01               | MOTULSKY, ARNO G          | MEDICAL GENETICS                        | 55,890 |
| DE00026-01               | PAGE, ROY C               | PERIODONTAL DISEASES                    | 34,920 |

|                   |    |           |
|-------------------|----|-----------|
| INSTITUTION TOTAL | 5  | 255,271   |
| CITY TOTAL        | 5  | 255,271   |
| STATE TOTAL       | 5  | 255,271   |
| TOTAL             | 71 | 6,939,175 |

NIH  
RESEARCH FELLOWSHIP AWARDS

| APPLICATION NUMBER                                                    | FELLOW                  | FIELD OF INTEREST     | PROGRAM |
|-----------------------------------------------------------------------|-------------------------|-----------------------|---------|
| <b>ALABAMA</b>                                                        |                         |                       |         |
| BIRMINGHAM                                                            |                         |                       |         |
| UNIVERSITY OF ALABAMA IN BIRMINGHAM                                   |                         |                       |         |
| A100579-01                                                            | DAVIS, JERRY K          | VETERINARY MEDICINE   | F22     |
| EY02817-01                                                            | JOSE, JULE I            | NONCLINICAL RADIATION | F22     |
| GM05088-01                                                            | POLLARD, NATHANAEAL, JR | MATHEMATICS           | F14     |
| A100704-01                                                            | WHITLEY, RICHARD J      | PEDIATRICS            | F22     |
| INSTITUTION TOTAL 4                                                   |                         |                       |         |
| CITY TOTAL 4                                                          |                         |                       |         |
| <b>MOBILE</b>                                                         |                         |                       |         |
| UNIVERSITY OF SOUTH ALABAMA                                           |                         |                       |         |
| H000502-01                                                            | FUNKHOUSER JANE M       | BIOCHEMISTRY          | F22     |
| INSTITUTION TOTAL 1                                                   |                         |                       |         |
| CITY TOTAL 1                                                          |                         |                       |         |
| STATE TOTAL 5                                                         |                         |                       |         |
| <b>ARIZONA</b>                                                        |                         |                       |         |
| PHOENIX                                                               |                         |                       |         |
| VETERANS ADMINISTRATION HOSPITAL                                      |                         |                       |         |
| EY00410-01                                                            | WESTENBERG, IRWIN S     | CELL BIOLOGY          | F22     |
| INSTITUTION TOTAL 1                                                   |                         |                       |         |
| CITY TOTAL 1                                                          |                         |                       |         |
| <b>TUCSON</b>                                                         |                         |                       |         |
| UNIVERSITY OF ARIZONA                                                 |                         |                       |         |
| AM00967-01                                                            | LINN, DAVID K           | CHEMISTRY             | F22     |
| INSTITUTION TOTAL 1                                                   |                         |                       |         |
| CITY TOTAL 1                                                          |                         |                       |         |
| STATE TOTAL 2                                                         |                         |                       |         |
| <b>CALIFORNIA</b>                                                     |                         |                       |         |
| BERKELEY                                                              |                         |                       |         |
| UNIVERSITY OF CALIFORNIA SYSTEM--UNIVERSITY OF CALIFORNIA AT BERKELEY |                         |                       |         |
| EY00775-01                                                            | BONDS, ALFRED B, III    | ANATOMY               | F22     |

NIH  
RESEARCH FELLOWSHIP AWARDS

| APPLICATION NUMBER                                                           | FELLOW                 | FIELD OF INTEREST        | PROGRAM |
|------------------------------------------------------------------------------|------------------------|--------------------------|---------|
| <b>CALIFORNIA</b>                                                            |                        |                          |         |
| <b>BERKELEY</b>                                                              |                        |                          |         |
| <b>UNIVERSITY OF CALIFORNIA SYSTEM--UNIVERSITY OF CALIFORNIA AT BERKELEY</b> |                        |                          |         |
| HD00925-01                                                                   | BUNTIN, JOHN D         | PHYSIOLOGICAL PSYCHOLOGY | F22     |
| GM02575-01                                                                   | BURWEN, SUSAN J        | BIOPHYSICS               | F22     |
| AM00906-01                                                                   | DEK, ANN S             | BIOCHEMISTRY             | F22     |
| CA02267-01                                                                   | FOLKMANIS, ATIS        | CELL BIOLOGY             | F22     |
| HD01026-01                                                                   | GUMPERZ, JENNY A       | GENERAL PSYCHOLOGY       | F22     |
| ES00681-01                                                                   | HUBBELL, JAMES P       | CHEMISTRY                | F22     |
| CA01928-01                                                                   | KRAUSS, SHARON A       | MICROBIOLOGY             | F22     |
| AM03240-01                                                                   | LANG, JOHN A           | NUTRITION                | F22     |
| GM05070-01                                                                   | MARTINEX, ANDREW D     | GENETICS                 | F14     |
| HD01391-01                                                                   | MORIN, LAWRENCE P      | PHYSIOLOGICAL PSYCHOLOGY | F22     |
| AI01481-01                                                                   | PATERSON, ROSEMARY P   | MICROBIOLOGY             | F22     |
| ES00314-01                                                                   | PROCTOR, NICK H        | PHARMACOLOGY             | F22     |
| HD02753-01                                                                   | VAUGHAN, WILLIAM J     | DEVELOPMENTAL PSYCHOLOGY | F22     |
| TW02150-01                                                                   | WOLOSUK, RICARDO A     | BIOCHEMISTRY             | F05     |
| INSTITUTION TOTAL 15                                                         |                        |                          |         |
| CITY TOTAL 15                                                                |                        |                          |         |
| <b>DAVIS</b>                                                                 |                        |                          |         |
| <b>UNIVERSITY OF CALIFORNIA SYSTEM--UNIVERSITY OF CALIFORNIA AT DAVIS</b>    |                        |                          |         |
| HD00191-01                                                                   | BLUMENTHAL, SHULA G    | PEDIATRICS               | F22     |
| AI03171-01                                                                   | DANLEY, DAVID L        | MICROBIOLOGY             | F22     |
| EY00252-01                                                                   | GEISLER, PETER S       | PHYSIOLOGY               | F22     |
| HL01950-01                                                                   | KOSCH, PHILIP C        | PHYSIOLOGY               | F22     |
| EY01604-01                                                                   | MACMILLAN, ALAN D      | OPHTHALMOLOGY            | F22     |
| AM55333-01                                                                   | MASARACCHIA, RUTHANN A | ENDOCRINOLOGY            | F03     |
| ES02153-01                                                                   | TAYLOR, STEPHEN L      | BIOCHEMISTRY             | F22     |
| INSTITUTION TOTAL 7                                                          |                        |                          |         |
| CITY TOTAL 7                                                                 |                        |                          |         |
| <b>DUARTE</b>                                                                |                        |                          |         |
| <b>CITY OF HOPE MEDICAL CENTER</b>                                           |                        |                          |         |
| TW02205-01                                                                   | REED, KENNETH C        | BIOCHEMISTRY             | F05     |
| TW02190-01                                                                   | TORRANCE, JOHN D       | BIOCHEMISTRY             | F05     |
| INSTITUTION TOTAL 2                                                          |                        |                          |         |
| CITY TOTAL 2                                                                 |                        |                          |         |

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RESEARCH FELLOWSHIP AWARDS

| APPLICATION NUMBER                                                     | FELLOW                | FIELD OF INTEREST          | PROGRAM |
|------------------------------------------------------------------------|-----------------------|----------------------------|---------|
| CALIFORNIA                                                             |                       |                            |         |
| IRVINE                                                                 |                       |                            |         |
| UNIVERSITY OF CALIFORNIA SYSTEM--UNIVERSITY OF CALIFORNIA AT IRVINE    |                       |                            |         |
| AM04070-01                                                             | ANDERSON, JANET A     | DIABETES                   | F22     |
| AM02201-01                                                             | WERINGER, ELORA J     | PATHOLOGY                  | F22     |
| INSTITUTION TOTAL 2                                                    |                       |                            |         |
| CITY TOTAL 2                                                           |                       |                            |         |
| LA JOLLA                                                               |                       |                            |         |
| SALK INSTITUTE FOR BIOLOGICAL STUDIES                                  |                       |                            |         |
| TW02210-01                                                             | BERNS, ANTON J        | CELL BIOLOGY               | F05     |
| TW02218-01                                                             | LEPPALUOTO, JUHANI P  | PHYSIOLOGY                 | F05     |
| INSTITUTION TOTAL 2                                                    |                       |                            |         |
| SCRIPPS CLINIC AND RESEARCH FOUNDATION                                 |                       |                            |         |
| AI01051-01                                                             | ALSPAUGH, MARGARET A  | MICROBIOLOGY               | F22     |
| CA00617-01                                                             | DIGIROLAMO, PAULA M   | PHARMACOLOGY               | F22     |
| AI01023-01                                                             | DOYLE, MICHAEL V      | MICROBIOLOGY               | F22     |
| CA00616-01                                                             | HENDERSON, GARY B     | PHARMACOLOGY               | F22     |
| GM00489-01                                                             | MURAYAMA, DENNIS R    | BIOCHEMISTRY               | F22     |
| AI00325-01                                                             | ZICCARDI, ROBERT J    | MICROBIOLOGY               | F22     |
| INSTITUTION TOTAL 6                                                    |                       |                            |         |
| UNIVERSITY OF CALIFORNIA SYSTEM--UNIVERSITY OF CALIFORNIA AT SAN DIEGO |                       |                            |         |
| HL01256-01                                                             | BAUGH, ROBERT F       | BIOCHEMISTRY               | F22     |
| TW02162-01                                                             | BORDIER, CLEMENT A    | CELL BIOLOGY               | F05     |
| HL00134-01                                                             | BRACH, BERNARD B      | PHYSIOLOGY                 | F22     |
| TW02206-01                                                             | BUSTOS, JOSE R        | PEDIATRICS                 | F05     |
| HD02840-01                                                             | BYRD, EARL W, JR      | SURGERY                    | F22     |
| HD04087-01                                                             | CARROLL, EDWARD J, JR | BIOLOGY                    | F22     |
| AI01412-01                                                             | FIGURSKI, DAVID H     | MICROBIOLOGY               | F22     |
| HL03143-01                                                             | GRANGER, HARRIS J     | PHYSIOLOGY                 | F22     |
| AI02134-01                                                             | GREENBERG, PHILIP D   | IMMUNOLOGY                 | F22     |
| HL01111-01                                                             | HELOT, GREGORY P      | PHYSIOLOGY                 | F22     |
| AI03160-01                                                             | LAZARUS, LAWRENCE H   | MICROBIOLOGY               | F22     |
| HL01211-01                                                             | LE WINTER, MARTIN M   | CARDIOVASCULAR DISEASES    | F22     |
| AI00563-01                                                             | LEAVITT, RON W        | MICROBIOLOGY               | F22     |
| HL01233-01                                                             | LEVINE, SHIRLEY P     | PATHOLOGY                  | F22     |
| AI00222-01                                                             | MC CUTCHAN, JOHN A    | INFECTIOUS DISEASES        | F22     |
| GM04023-01                                                             | OSHIMA, ROBERT G      | BIOCHEMISTRY               | F22     |
| HL00903-01                                                             | PINTO, JOHN G         | HEALTH-RELATED ENGINEERING | F22     |

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RESEARCH FELLOWSHIP AWARDS

| APPLICATION NUMBER                                                              | FELLOW                  | FIELD OF INTEREST        | PROGRAM |
|---------------------------------------------------------------------------------|-------------------------|--------------------------|---------|
| <b>CALIFORNIA</b>                                                               |                         |                          |         |
| <b>LA JOLLA</b>                                                                 |                         |                          |         |
| UNIVERSITY OF CALIFORNIA SYSTEM--UNIVERSITY OF CALIFORNIA AT SAN DIEGO          |                         |                          |         |
| H001942-01                                                                      | RADDING, WILSON         | ENDOCRINOLOGY            | F22     |
| H003157-01                                                                      | SKAPER, STEPHEN D       | GENETICS                 | F22     |
| AM00321-01                                                                      | THOENE, JESS G          | GENETICS                 | F22     |
| HL00545-01                                                                      | TORNABENE, VINCENT W    | PULMONARY DISEASES       | F22     |
| A102679-01                                                                      | TREFTS, PARK E          | MICROBIOLOGY             | F22     |
| HL02342-01                                                                      | WEDEL, MARK K           | PHYSIOLOGY               | F22     |
| INSTITUTION TOTAL 23                                                            |                         |                          |         |
| CITY TOTAL 31                                                                   |                         |                          |         |
| <b>LOMA LINDA</b>                                                               |                         |                          |         |
| LOMA LINDA UNIVERSITY                                                           |                         |                          |         |
| CA00295-01                                                                      | KISSINGER, DAVID G      | EPIDEMIOLOGY             | F22     |
| INSTITUTION TOTAL 1                                                             |                         |                          |         |
| CITY TOTAL 1                                                                    |                         |                          |         |
| <b>LOS ANGELES</b>                                                              |                         |                          |         |
| CHILDREN'S HOSPITAL OF LOS ANGELES                                              |                         |                          |         |
| CA01137-01                                                                      | HARTMAN, GARY A         | PHARMACOLOGY             | F22     |
| FW02173-01                                                                      | LYON, IAN C             | GENETICS                 | F05     |
| INSTITUTION TOTAL 2                                                             |                         |                          |         |
| <b>UNIVERSITY OF CALIFORNIA SYSTEM--UNIVERSITY OF CALIFORNIA AT LOS ANGELES</b> |                         |                          |         |
| HL00260-01                                                                      | ABRAMSON, STEPHAN B     | PHYSIOLOGY               | F22     |
| H000790-01                                                                      | ALBERTS, JEFFREY R      | DEVELOPMENTAL PSYCHOLOGY | F22     |
| FW02152-01                                                                      | ALVAREZ, RAQUEL         | PHYSIOLOGICAL PSYCHOLOGY | F05     |
| GM00328-01                                                                      | BENEDETTI, JACQUELINE K | BIOSTATISTICS            | F22     |
| FW02130-01                                                                      | COX, BARRY              | PHARMACOLOGY             | F05     |
| A100844-01                                                                      | FEDEROFF, NINA V        | MICROBIOLOGY             | F22     |
| H001900-01                                                                      | GLASS, ALLAN R          | ENDOCRINOLOGY            | F22     |
| HL02316-01                                                                      | GOEHE, BARBARA          | PHYSIOLOGY               | F22     |
| A102763-01                                                                      | KNEPPER, JOHN G         | PEDIATRICS               | F22     |
| H001748-01                                                                      | LOBELLO, JOYCE K        | DEVELOPMENTAL PSYCHOLOGY | F22     |
| AM00679-01                                                                      | MATSUMOTO, STEVEN S     | BIOCHEMISTRY             | F22     |
| AM02564-01                                                                      | MORRIS, DANIEL W        | MATHEMATICS              | F22     |
| H001122-01                                                                      | PARKER, LAWRENCE N      | ENDOCRINOLOGY            | F22     |
| ES00352-01                                                                      | RABINOWITZ, MICHAEL B   | ENVIRONMENTAL SCIENCES   | F22     |
| A101914-01                                                                      | SAXTON, ERNESTINA M     | MICROBIOLOGY             | F22     |

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RESEARCH FELLOWSHIP AWARDS

| APPLICATION NUMBER                                                       | FELLOW              | FIELD OF INTEREST        | PROGRAM |
|--------------------------------------------------------------------------|---------------------|--------------------------|---------|
| <b>CALIFORNIA</b>                                                        |                     |                          |         |
| <b>LOS ANGELES</b>                                                       |                     |                          |         |
| UNIVERSITY OF CALIFORNIA SYSTEM--UNIVERSITY OF CALIFORNIA AT LOS ANGELES |                     |                          |         |
| A101173-01                                                               | TERRITO, MARY C     | INFECTIOUS DISEASES      | F22     |
| TW02197-01                                                               | VALENZUELA, JORGE E | GASTROENTEROLOGY         | F05     |
| EY01622-01                                                               | WHEELER, THOMAS G   | ANATOMY                  | F22     |
| HL01190-01                                                               | YOUNG, STEPHEN L    | BIOCHEMISTRY             | F22     |
| INSTITUTION TOTAL                                                        |                     | 19                       |         |
| <b>UNIVERSITY OF SOUTHERN CALIFORNIA</b>                                 |                     |                          |         |
| HD02456-01                                                               | ALLEN, JANET K      | AGING PROCESS            | F22     |
| HD01554-01                                                               | ANDERSON, D CHRIS   | PHYSIOLOGICAL PSYCHOLOGY | F22     |
| TW02174-01                                                               | CROXSON, MICHAEL    | ENDOCRINOLOGY            | F05     |
| HL02440-01                                                               | SINGER, ANITA L     | CELL BIOLOGY             | F22     |
| HD01771-01                                                               | YAEGER, CARL F      | PEDIATRICS               | F22     |
| INSTITUTION TOTAL                                                        |                     | 5                        |         |
| <b>VETERANS ADMINISTRATION CENTER</b>                                    |                     |                          |         |
| AM00376-01                                                               | TAM, CHICK-FAI      | NUTRITION                | F22     |
| INSTITUTION TOTAL                                                        |                     | 1                        |         |
| CITY TOTAL                                                               |                     | 27                       |         |
| <b>OAKLAND</b>                                                           |                     |                          |         |
| CHILDREN'S HOSPITAL MEDICAL CENTER OF NORTHERN CALIFORNIA                |                     |                          |         |
| AM01909-01                                                               | OLDS, BARBARA A     | NUTRITION                | F22     |
| INSTITUTION TOTAL                                                        |                     | 1                        |         |
| CITY TOTAL                                                               |                     | 1                        |         |
| <b>PALO ALTO</b>                                                         |                     |                          |         |
| PALO ALTO MEDICAL RESEARCH FOUNDATION                                    |                     |                          |         |
| A103375-01                                                               | SWARTZBERG, JOHN E  | INFECTIOUS DISEASES      | F22     |
| INSTITUTION TOTAL                                                        |                     | 1                        |         |
| CITY TOTAL                                                               |                     | 1                        |         |
| <b>PASADENA</b>                                                          |                     |                          |         |
| CALIFORNIA INSTITUTE OF TECHNOLOGY                                       |                     |                          |         |
| TW02182-01                                                               | AMALRIC, FRANCOIS   | CELL BIOLOGY             | F05     |

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RESEARCH FELLOWSHIP AWARDS

| APPLICATION NUMBER                                                         | FELLOW                  | FIELD OF INTEREST       | PROGRAM |
|----------------------------------------------------------------------------|-------------------------|-------------------------|---------|
| CALIFORNIA                                                                 |                         |                         |         |
| PASADENA                                                                   |                         |                         |         |
| CALIFORNIA                                                                 | INSTITUTE OF TECHNOLOGY |                         |         |
| GM05067-01                                                                 | BROWN, COSTELLO L       | CHEMISTRY               | F14     |
| AM00988-01                                                                 | MANDEL, GRETCHEN S      | PHYSICS                 | F22     |
| GM57661-01                                                                 | MC MILLIN, DAVID R      | CHEMISTRY               | F02     |
| HL01305-01                                                                 | SCHORE, NEIL E          | CHEMISTRY               | F22     |
| CA01474-01                                                                 | YANG, SHEN KWEI         | BIOCHEMISTRY            | F22     |
| INSTITUTION TOTAL                                                          | 6                       |                         |         |
| CITY TOTAL                                                                 | 6                       |                         |         |
| SAN DIEGO                                                                  |                         |                         |         |
| VETERANS ADMINISTRATION HOSPITAL                                           |                         |                         |         |
| HL02106-01                                                                 | LIE, ROBIN F            | BIOCHEMISTRY            | F22     |
| INSTITUTION TOTAL                                                          | 1                       |                         |         |
| CITY TOTAL                                                                 | 1                       |                         |         |
| SAN FRANCISCO                                                              |                         |                         |         |
| UNIVERSITY OF CALIFORNIA SYSTEM--UNIVERSITY OF CALIFORNIA AT SAN FRANCISCO |                         |                         |         |
| GM02299-01                                                                 | BLAU, HELEN M           | GENETICS                | F22     |
| AM00904-01                                                                 | BREWER, L EILEEN        | PEDIATRICS              | F22     |
| EY00708-01                                                                 | COPENHAGEN, DAVID R     | PHYSIOLOGY              | F22     |
| TW02129-01                                                                 | EMPEY, DUNCAN W         | CARDIOVASCULAR DISEASES | F05     |
| HL01907-01                                                                 | FELKER, TUNDE E         | CELL BIOLOGY            | F22     |
| AM00227-01                                                                 | HAUGLAND, RICHARD P     | BIOPHYSICS              | F22     |
| HL01866-01                                                                 | HYMAN, ALLEN I          | PATHOLOGY               | F22     |
| GM03425-01                                                                 | KING, LUCY S            | BIOSTATISTICS           | F22     |
| HL00686-01                                                                 | KLEIN, PHYLLIS H        | GENETICS                | F22     |
| HD00828-01                                                                 | KOERPER, MARION A       | PEDIATRICS              | F22     |
| AM00893-01                                                                 | KRAM, JERROLD A         | PHARMACOLOGY            | F22     |
| AM00482-01                                                                 | KUSCH, MEREDITH         | PHYSIOLOGY              | F22     |
| AM00378-01                                                                 | LO, CHU-SHEK            | PHYSIOLOGY              | F22     |
| GM00658-01                                                                 | MAGGIO, EDWARD T        | CHEMISTRY               | F22     |
| EY00521-01                                                                 | MARTIN, ROBERT G        | MICROBIOLOGY            | F22     |
| GM55872-01                                                                 | MEAGHER, RICHARD B      | MICROBIOLOGY            | F02     |
| HD01001-01                                                                 | MENNIN, STEWART P       | NEUROENDOCRINOLOGY      | F22     |
| GM56053-01                                                                 | NAGHDI, STEPHEN P       | PHYSIOLOGY              | F12     |
| EY01054-01                                                                 | O'DONNELL, JAMES J      | GENETICS                | F22     |
| HL00937-01                                                                 | OZANNE, GERARD M        | ANESTHESIOLOGY          | F22     |
| TW02163-01                                                                 | POLZ, ERIKA             | BIOCHEMISTRY            | F05     |
| HL02158-01                                                                 | POWELL, JOHN R          | PHARMACOLOGY            | F22     |

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| APPLICATION NUMBER                                                         | FELLOW               | FIELD OF INTEREST        | PROGRAM |
|----------------------------------------------------------------------------|----------------------|--------------------------|---------|
| CALIFORNIA                                                                 |                      |                          |         |
| SAN FRANCISCO                                                              |                      |                          |         |
| UNIVERSITY OF CALIFORNIA SYSTEM--UNIVERSITY OF CALIFORNIA AT SAN FRANCISCO |                      |                          |         |
| AM00388-01                                                                 | RICHARDS, GAIL E     | PEDIATRICS               | F22     |
| HD02242-01                                                                 | RUFFINI, JULIO L     | ANTHROPOLOGY             | F22     |
| EY00061-01                                                                 | SELHORST, JOHN B     | PHYSIOLOGY               | F22     |
| AM00518-01                                                                 | SIMONS, SAMUEL S, JR | CELL BIOLOGY             | F22     |
| HD00301-01                                                                 | STYNE, DENNIS M      | PEDIATRICS               | F22     |
| EY01277-01                                                                 | TIEMAN, SUZANNAH A   | PHYSIOLOGICAL PSYCHOLOGY | F22     |
| AI02220-01                                                                 | TISCHLER, ALLAN N    | CHEMISTRY                | F22     |
| HD02039-01                                                                 | TODD, HARRY F, JR    | ANTHROPOLOGY             | F22     |
| TW02158-01                                                                 | VALENZUELA, PABLO D  | BIOCHEMISTRY             | F05     |
| HL00448-01                                                                 | VIDRUK, EDWARD F     | PHYSIOLOGY               | F22     |
| HD00504-01                                                                 | WARA, DIANE W        | PEDIATRICS               | F22     |
| EY00728-01                                                                 | WEINBERG, RICHARD J  | OPHTHALMOLOGY            | F22     |
| AI02452-01                                                                 | WELCH, THEODOSIA M   | MICROBIOLOGY             | F22     |
| TW02134-01                                                                 | YATZIV, SHAUL        | PEDIATRICS               | F05     |
| INSTITUTION TOTAL 36                                                       |                      |                          |         |
| UNIVERSITY OF THE PACIFIC                                                  |                      |                          |         |
| HD01096-01                                                                 | STARK, KAREN W       | GENERAL PSYCHOLOGY       | F22     |
| INSTITUTION TOTAL 1                                                        |                      |                          |         |
| CITY TOTAL 37                                                              |                      |                          |         |
| SAN JOSE                                                                   |                      |                          |         |
| SANTA CLARA VALLEY MEDICAL CENTER                                          |                      |                          |         |
| TW02219-01                                                                 | NIKOSKELAINEN, JUKKA | MICROBIOLOGY             | F05     |
| INSTITUTION TOTAL 1                                                        |                      |                          |         |
| CITY TOTAL 1                                                               |                      |                          |         |
| SANTA BARBARA                                                              |                      |                          |         |
| UNIVERSITY OF CALIFORNIA SYSTEM--UNIVERSITY OF CALIFORNIA AT SANTA BARBARA |                      |                          |         |
| EY02602-01                                                                 | ANDERSON, DCN H      | PHYSIOLOGY               | F22     |
| INSTITUTION TOTAL 1                                                        |                      |                          |         |
| CITY TOTAL 1                                                               |                      |                          |         |
| STANFORD                                                                   |                      |                          |         |
| STANFORD UNIVERSITY                                                        |                      |                          |         |
| HD00002-01                                                                 | ABRAMOWITZ, SUSAN    | DEVELOPMENTAL PSYCHOLOGY | F22     |

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RESEARCH FELLOWSHIP AWARDS

PROGRAM

FIELD OF INTEREST

APPLICATION NUMBER FELLOW

|                     |                       |  |              |
|---------------------|-----------------------|--|--------------|
| CALIFORNIA          |                       |  |              |
| STANFORD            |                       |  |              |
| STANFORD UNIVERSITY |                       |  |              |
| AI01286-01          | ANDERSEN, JUNE J      |  | MICROBIOLOGY |
| HL03064-01          | BONIKOS, DIONYSIOS S  |  | F22          |
| AM00505-01          | COLEMAN, PATRICK F    |  | F22          |
| CA01740-01          | GEBHARD, ROGER L      |  | F22          |
| AI01566-01          | HAGEN, DAVID C        |  | F22          |
| AI01434-01          | JOHNSON, RUDOLPH H    |  | F22          |
| AM02772-01          | JORDAN, LAWRENCE M    |  | F22          |
| GM00150-01          | LETOURNEAU, PAUL C    |  | F22          |
| GM01308-01          | MURPHY, DONAL B       |  | F22          |
| HD00636-01          | MYLES, DIANA          |  | F22          |
| AM02796-01          | POWERS, RUNAS         |  | F22          |
| AI01327-01          | RAND, KENNETH H       |  | F22          |
| HD02222-01          | SCHACHAT, FREDERICK H |  | F22          |
| GM02120-01          | STEVENSON, JAMES      |  | F22          |
| TW02142-01          | THELANDER, LARS G     |  | F05          |
| GM00289-01          | THRASH, CORNELIA H    |  | F22          |
| HD03378-01          | TIKTINSKY, CHARLES M  |  | F22          |
| INSTITUTION TOTAL   | 18                    |  |              |
| CITY TOTAL          | 18                    |  |              |

TORRANCE  
LOS ANGELES COUNTY HEALTH SERVICES DEPARTMENT--LOS ANGELES COUNTY HARBOR GENERAL HOSPITAL  
HD02227-01 ATKINSON, RICHARD L ENDOCRINOLOGY F22  
HL01595-01 JENGO, JAMES A PHYSIOLOGY F22  
AM01687-01 WEITZMAN, RICHARD E ENDOCRINOLOGY F22

INSTITUTION TOTAL 3  
CITY TOTAL 3

STATE TOTAL 154

COLORADO  
DENVER  
UNIVERSITY OF COLORADO MEDICAL CENTER  
HD00767-01 BURD, LAURENCE I OBSTETRICS AND GYNECOLOGY F22  
HD00574-01 LEMONS, JAMES A PEDIATRICS F22  
AI01008-01 NEWLIN, CAROL M MICROBIOLOGY F22  
AM03282-01 O'DONNELL, CHARLES M CHEMISTRY F22  
HD00420-01 SCHREINER, RICHARD L PEDIATRICS F22

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RESEARCH FELLOWSHIP AWARDS

| APPLICATION NUMBER                      | FELLOW                      | FIELD OF INTEREST   | PROGRAM |
|-----------------------------------------|-----------------------------|---------------------|---------|
| <b>COLORADO</b>                         |                             |                     |         |
| DENVER                                  |                             |                     |         |
| UNIVERSITY OF COLORADO MEDICAL CENTER   |                             |                     |         |
| TW02136-01                              | STOKKE, ODDVAR H            | BIOCHEMISTRY        | F05     |
| HL01798-01                              | TUCKER, ALAN                | PHYSIOLOGY          | F22     |
| INSTITUTION TOTAL 7                     |                             |                     |         |
| CITY TOTAL 7                            |                             |                     |         |
| <b>FORT COLLINS</b>                     |                             |                     |         |
| COLORADO STATE UNIVERSITY               |                             |                     |         |
| HD01362-01                              | BOWEN, RICHARD A            | VETERINARY MEDICINE | F22     |
| AM03248-01                              | MC CARTHY, TIMOTHY C        | VETERINARY MEDICINE | F22     |
| HD01719-01                              | SAWYER, HEYWOOD R, JR       | PHYSIOLOGY          | F22     |
| HD01309-01                              | SHERIDAN, PETER J           | PHYSIOLOGY          | F22     |
| GM05096-01                              | WRIGHT, JAMES E, JR         | PHYSIOLOGY          | F14     |
| INSTITUTION TOTAL 5                     |                             |                     |         |
| CITY TOTAL 5                            |                             |                     |         |
| STATE TOTAL 12                          |                             |                     |         |
| <b>CONNECTICUT</b>                      |                             |                     |         |
| FARMINGTON                              |                             |                     |         |
| UNIVERSITY OF CONNECTICUT HEALTH CENTER |                             |                     |         |
| TW02146-01                              | CATALA, ANGEL               | BIOCHEMISTRY        | F05     |
| AI01128-01                              | CHAPITIS, JANE              | MICROBIOLOGY        | F22     |
| INSTITUTION TOTAL 2                     |                             |                     |         |
| CITY TOTAL 2                            |                             |                     |         |
| <b>NEW HAVEN</b>                        |                             |                     |         |
| YALE UNIVERSITY                         |                             |                     |         |
| AI01184-01                              | AHERN, MARY J               | IMMUNOLOGY          | F22     |
| AI03211-01                              | BROWN, GLENN E              | MICROBIOLOGY        | F22     |
| TW02153-01                              | CABRER, BARTOLOME           | CELL BIOLOGY        | F05     |
| HL00400-01                              | CASTRANOVA, VINCENT         | PHYSIOLOGY          | F22     |
| TW02214-01                              | CONSCIENCE, JEAN-FRANCOIS H | GENETICS            | F05     |
| EY01360-01                              | CONVERSE, CAROLYN A         | BIOCHEMISTRY        | F22     |
| AM01401-01                              | FITCH, WILLIAM L            | BIOCHEMISTRY        | F22     |
| AI02219-01                              | HAESELER, FREDERICK D       | INFECTIOUS DISEASES | F22     |
| GM04080-01                              | KUCHERLAPATI, RAJU S        | GENETICS            | F22     |

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| APPLICATION NUMBER           | FELLOW              | FIELD OF INTEREST                        | PROGRAM |
|------------------------------|---------------------|------------------------------------------|---------|
| CONNECTICUT                  |                     |                                          |         |
| NEW HAVEN                    |                     |                                          |         |
| YALE UNIVERSITY              |                     |                                          |         |
| H001473-01                   | KUO, CHING-HUNG     | BIOLOGY                                  | F22     |
| A103255-01                   | MARTIER, ROBERT L   | INFECTIOUS DISEASES                      | F22     |
| TW02213-01                   | MICHELOT, ROBERT J  | MULTIDISCIPLINARY BASIC MEDICAL SCIENCES | F05     |
| AM01982-01                   | PACKMAN, SEYMOUR    | GENETICS                                 | F22     |
| HL02247-01                   | ROBERTS, MICHAEL F  | PHYSIOLOGY                               | F22     |
| HL00142-01                   | SPENCER, ALLEN K    | BIOCHEMISTRY                             | F22     |
| GM02655-01                   | WALLACE, DOUGLAS C  | GENETICS                                 | F22     |
| HL01779-01                   | WEISE, MICHAEL J    | BIOCHEMISTRY                             | F22     |
| INSTITUTION TOTAL 17         |                     |                                          |         |
| CITY TOTAL 17                |                     |                                          |         |
| STORRS                       |                     |                                          |         |
| UNIVERSITY OF CONNECTICUT    |                     |                                          |         |
| H000418-01                   | BUTTERFIELD, EARL C | DEVELOPMENTAL PSYCHOLOGY                 | F22     |
| AM02582-01                   | KIRCHER, CHARLES H  | VETERINARY MEDICINE                      | F22     |
| INSTITUTION TOTAL 2          |                     |                                          |         |
| CITY TOTAL 2                 |                     |                                          |         |
| STATE TOTAL 21               |                     |                                          |         |
| DIST OF COL                  |                     |                                          |         |
| WASHINGTON                   |                     |                                          |         |
| GEORGE WASHINGTON UNIVERSITY |                     |                                          |         |
| HL02386-01                   | FREY, MARY A        | PHYSIOLOGY                               | F22     |
| INSTITUTION TOTAL 1          |                     |                                          |         |
| CITY TOTAL 1                 |                     |                                          |         |
| STATE TOTAL 1                |                     |                                          |         |
| FLORIDA                      |                     |                                          |         |
| CORAL GABLES                 |                     |                                          |         |
| UNIVERSITY OF MIAMI          |                     |                                          |         |
| H001940-01                   | O'RAND, MICHAEL G   | PHYSIOLOGY                               | F22     |
| INSTITUTION TOTAL 1          |                     |                                          |         |
| CITY TOTAL 1                 |                     |                                          |         |

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| APPLICATION NUMBER                                                  | FELLOW            | FIELD OF INTEREST        | PROGRAM |
|---------------------------------------------------------------------|-------------------|--------------------------|---------|
| <b>FLORIDA</b>                                                      |                   |                          |         |
| <b>GAINESVILLE</b>                                                  |                   |                          |         |
| <b>STATE UNIVERSITY OF FLORIDA SYSTEM--UNIVERSITY OF FLORIDA</b>    |                   |                          |         |
| EY00362-01                                                          | HOROWITZ, BARRY R | PHYSICS                  | F22     |
| EY00173-01                                                          | JOHNSON, CHRIS A  | PHYSIOLOGICAL PSYCHOLOGY | F22     |
| HD01819-01                                                          | KENNEY, ANN E     | COMPARATIVE PSYCHOLOGY   | F22     |
| AI02126-01                                                          | KHAKOO, RASHIDA A | INFECTIOUS DISEASES      | F22     |
| AM00995-01                                                          | SIMON, MICHAEL A  | SURGERY                  | F22     |
| EY00063-01                                                          | TROBE, JONATHAN D | PHARMACOLOGY             | F22     |
| <b>INSTITUTION TOTAL 6</b>                                          |                   |                          |         |
| <b>CITY TOTAL 6</b>                                                 |                   |                          |         |
| <b>MIAMI</b>                                                        |                   |                          |         |
| <b>UNIVERSITY OF MIAMI</b>                                          |                   |                          |         |
| EY04084-01                                                          | EDER, DOUGLAS J   | PHYSIOLOGY               | F22     |
| <b>INSTITUTION TOTAL 1</b>                                          |                   |                          |         |
| <b>CITY TOTAL 1</b>                                                 |                   |                          |         |
| <b>TALLAHASSEE</b>                                                  |                   |                          |         |
| <b>STATE UNIVERSITY OF FLORIDA SYSTEM--FLORIDA STATE UNIVERSITY</b> |                   |                          |         |
| GM02362-01                                                          | FRALICK, JOE A    | CELL BIOLOGY             | F22     |
| <b>INSTITUTION TOTAL 1</b>                                          |                   |                          |         |
| <b>CITY TOTAL 1</b>                                                 |                   |                          |         |
| <b>STATE TOTAL 9</b>                                                |                   |                          |         |
| <b>GEORGIA</b>                                                      |                   |                          |         |
| <b>ATHENS</b>                                                       |                   |                          |         |
| <b>UNIVERSITY SYSTEM OF GEORGIA--UNIVERSITY OF GEORGIA</b>          |                   |                          |         |
| HD02560-01                                                          | BRANTNER, JOHN H  | BIOCHEMISTRY             | F22     |
| GM02619-01                                                          | FAINI, GEORGE J   | BIOPHYSICS               | F22     |
| HL01978-01                                                          | JOHNSON, DAVID A  | BIOCHEMISTRY             | F22     |
| <b>INSTITUTION TOTAL 3</b>                                          |                   |                          |         |
| <b>CITY TOTAL 3</b>                                                 |                   |                          |         |
| <b>ATLANTA</b>                                                      |                   |                          |         |
| <b>ATLANTA UNIVERSITY</b>                                           |                   |                          |         |
| GM56095-01                                                          | JONES, JOHNNYE M  | MICROBIOLOGY             | F14     |

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| APPLICATION NUMBER                                                                             | FELLOW              | FIELD OF INTEREST          | PROGRAM |
|------------------------------------------------------------------------------------------------|---------------------|----------------------------|---------|
| <b>GEORGIA</b>                                                                                 |                     |                            |         |
| <b>ATLANTA</b>                                                                                 |                     |                            |         |
| <b>ATLANTA UNIVERSITY</b>                                                                      |                     |                            |         |
| GM05086-01                                                                                     | NEAL, RANDALL A     | ENVIRONMENTAL SCIENCES     | F14     |
| GM05077-01                                                                                     | SEARS, SOLOMON E    | BIOLOGY                    | F14     |
| GM05098-01                                                                                     | WASHINGTON, BETTY J | BIOLOGY                    | F14     |
| INSTITUTION TOTAL 4                                                                            |                     |                            |         |
| <b>EMORY UNIVERSITY</b>                                                                        |                     |                            |         |
| TWO2140-01                                                                                     | ISAKKSON, OLOV G    | ENDOCRINOLOGY              | F05     |
| HD01499-01                                                                                     | LEGAN, SANDRA J     | PHYSIOLOGY                 | F22     |
| HL01321-01                                                                                     | NATHAN, RICHARD D   | BIPHYSICS                  | F22     |
| HD01275-01                                                                                     | ROSE, HELEN J       | PHARMACOLOGY               | F22     |
| INSTITUTION TOTAL 4                                                                            |                     |                            |         |
| <b>U.S. DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE--NATIONAL COMMUNICABLE DISEASE CENTER</b> |                     |                            |         |
| <b>TWO2132-01</b>                                                                              |                     |                            |         |
| SEGAL, ESTHER                                                                                  |                     |                            |         |
| MICROBIOLOGY                                                                                   |                     |                            |         |
| F05                                                                                            |                     |                            |         |
| INSTITUTION TOTAL 1                                                                            |                     |                            |         |
| CITY TOTAL 9                                                                                   |                     |                            |         |
| STATE TOTAL 12                                                                                 |                     |                            |         |
| <b>HAWAII</b>                                                                                  |                     |                            |         |
| <b>HONOLULU</b>                                                                                |                     |                            |         |
| <b>UNIVERSITY OF HAWAII SYSTEM--UNIVERSITY OF HAWAII AT MANOA</b>                              |                     |                            |         |
| HL03192-01                                                                                     | INGLE, FRANK W      | HEALTH-RELATED ENGINEERING | F22     |
| GM04051-01                                                                                     | WATSON, MICHAEL     | PHARMACOLOGY               | F22     |
| INSTITUTION TOTAL 2                                                                            |                     |                            |         |
| CITY TOTAL 2                                                                                   |                     |                            |         |
| STATE TOTAL 2                                                                                  |                     |                            |         |
| <b>ILLINOIS</b>                                                                                |                     |                            |         |
| <b>CHICAGO</b>                                                                                 |                     |                            |         |
| <b>MICHAEL REESE HOSPITAL AND MEDICAL CENTER</b>                                               |                     |                            |         |
| AM00019-01                                                                                     | CENTURY, BERNARD    | BIOCHEMISTRY               | F22     |
| INSTITUTION TOTAL 1                                                                            |                     |                            |         |

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| APPLICATION NUMBER                                                          | FELLOW                     | FIELD OF INTEREST         | PROGRAM |
|-----------------------------------------------------------------------------|----------------------------|---------------------------|---------|
| ILLINOIS                                                                    |                            |                           |         |
| CHICAGO                                                                     |                            |                           |         |
| NORTHWESTERN UNIVERSITY                                                     |                            |                           |         |
| TW02139-01                                                                  | ASPLUND, KJELL S           | ENDOCRINOLOGY             | F05     |
| TW02133-01                                                                  | DIAMANT, YORAM Z           | OBSTETRICS AND GYNECOLOGY | F05     |
| AM00207-01                                                                  | DZIAK, ROSE M              | CELL BIOLOGY              | F22     |
| INSTITUTION TOTAL 3                                                         |                            |                           |         |
| UNIVERSITY OF CHICAGO                                                       |                            |                           |         |
| HL00202-01                                                                  | BATES, SANDRA R            | BIOCHEMISTRY              | F22     |
| TW02155-01                                                                  | BERNAL, JUAN               | PHYSIOLOGY                | F05     |
| GM00756-01                                                                  | BRYANT, WILLIAM F          | PHARMACOLOGY              | F22     |
| TW02144-01                                                                  | CROCKARD, HUGH A           | SURGERY                   | F05     |
| TW02184-01                                                                  | DELAUNAY, JEANG            | BIOCHEMISTRY              | F05     |
| TW02200-01                                                                  | FILL, HEIKO                | RADIOBIOLOGY              | F05     |
| HD02082-01                                                                  | HEALEY, RICHARD E          | SOCIOLOGY                 | F22     |
| EY57891-01                                                                  | HELLER, ERIC J             | BIOCHEMISTRY              | F02     |
| HD01127-01                                                                  | ROSENBERG, PHYLLIS A       | PHARMACOLOGY              | F22     |
| AM00881-01                                                                  | SCHEVITZ, RICHARD W        | BIOPHYSICS                | F22     |
| HD00074-01                                                                  | SCHLEGEL, SUSAN P          | BIOLOGY                   | F22     |
| HD00749-01                                                                  | SWINTON, DAVID C           | GENETICS                  | F22     |
| HD01825-01                                                                  | TSAI, HUEI-MEI             | BIOLOGY                   | F22     |
| INSTITUTION TOTAL 13                                                        |                            |                           |         |
| UNIVERSITY OF ILLINOIS SYSTEM--UNIVERSITY OF ILLINOIS AT THE MEDICAL CENTER |                            |                           |         |
| EY01727-01                                                                  | FISHMAN, GERALD A          | PHYSIOLOGY                | F22     |
| INSTITUTION TOTAL 1                                                         |                            |                           |         |
| CITY TOTAL 18                                                               |                            |                           |         |
| EVANSTON                                                                    |                            |                           |         |
| NORTHWESTERN UNIVERSITY                                                     |                            |                           |         |
| HD01571-01                                                                  | BOLLENBACHER, WALTER E, JR | BIOLOGY                   | F22     |
| HL01225-01                                                                  | BREAUX, EVES J             | PHARMACOLOGY              | F22     |
| EY02161-01                                                                  | CICERONE, CAROL M          | PHYSIOLOGY                | F22     |
| HL01143-01                                                                  | HELLER, MICHAEL J          | BIOCHEMISTRY              | F22     |
| HL01979-01                                                                  | SCHNEIDERMAN, GARY         | ENGINEERING               | F22     |
| INSTITUTION TOTAL 5                                                         |                            |                           |         |
| CITY TOTAL 5                                                                |                            |                           |         |

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| APPLICATION NUMBER                                                                                                                 | FELLOW                                                                    | FIELD OF INTEREST                                                          | PROGRAM                  |
|------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------|----------------------------------------------------------------------------|--------------------------|
| ILLINOIS<br>URBANA<br>UNIVERSITY OF ILLINOIS SYSTEM--UNIVERSITY OF ILLINOIS AT URBANA<br>AM00569-01                                | HEDGES, ALLAN R                                                           | MICROBIOLOGY                                                               | F22                      |
| INSTITUTION TOTAL                                                                                                                  | 1                                                                         |                                                                            |                          |
| CITY TOTAL                                                                                                                         | 1                                                                         |                                                                            |                          |
| STATE TOTAL                                                                                                                        | 24                                                                        |                                                                            |                          |
| INDIANA<br>INDIANAPOLIS<br>INDIANA UNIVERSITY SYSTEM--INDIANA UNIVERSITY AT INDIANAPOLIS<br>AM00185-01<br>AM03388-01<br>HL01833-01 | KARN, ROBERT C<br>WAPPNER, REBECCA S<br>ZIMMERMAN, GERALD W               | GENETICS<br>PEDIATRICS<br>PHARMACOLOGY                                     | F22<br>F22<br>F22        |
| INSTITUTION TOTAL                                                                                                                  | 3                                                                         |                                                                            |                          |
| CITY TOTAL                                                                                                                         | 3                                                                         |                                                                            |                          |
| LAFAYETTE<br>PURDUE UNIVERSITY<br>ES00305-01<br>ES00501-01<br>HL01052-01<br>HL02375-01                                             | PELLEGRINO, LOUIS J<br>PROBST, GREGORY S<br>REBAR, ALAN H<br>YOUNG, NANCY | PHYSIOLOGICAL PSYCHOLOGY<br>PHARMACOLOGY<br>VETERINARY MEDICINE<br>BIOLOGY | F22<br>F22<br>F22<br>F22 |
| INSTITUTION TOTAL                                                                                                                  | 4                                                                         |                                                                            |                          |
| CITY TOTAL                                                                                                                         | 4                                                                         |                                                                            |                          |
| NOTRE DAME<br>UNIVERSITY OF NOTRE DAME<br>AI02587-01<br>AI01944-01                                                                 | FIORAVANTI, CARMEN F<br>LOUNIBOS, LEON P                                  | MICROBIOLOGY<br>ENTOMOLOGY                                                 | F22<br>F22               |
| INSTITUTION TOTAL                                                                                                                  | 2                                                                         |                                                                            |                          |
| CITY TOTAL                                                                                                                         | 2                                                                         |                                                                            |                          |
| STATE TOTAL                                                                                                                        | 9                                                                         |                                                                            |                          |
| IOWA<br>IOWA CITY<br>UNIVERSITY OF IOWA<br>HL01445-01                                                                              | MC GUFFEE, LINDA J                                                        | PHYSIOLOGY                                                                 | F22                      |

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| APPLICATION NUMBER       | FELLOW               | FIELD OF INTEREST        | PROGRAM |
|--------------------------|----------------------|--------------------------|---------|
| IOWA                     |                      |                          |         |
| IOWA CITY                |                      |                          |         |
| UNIVERSITY OF IOWA       |                      |                          |         |
| HD01975-01               | VENSEL, WILLIAM H    | PHYSIOLOGY               | F22     |
| INSTITUTION TOTAL        | 2                    |                          |         |
| CITY TOTAL               | 2                    |                          |         |
| STATE TOTAL              | 2                    |                          |         |
| KANSAS                   |                      |                          |         |
| KANSAS CITY              |                      |                          |         |
| UNIVERSITY OF KANSAS     |                      |                          |         |
| HL04000-01               | BETTICE, JOHN A      | PHYSIOLOGY               | F22     |
| TW02131-01               | CUNNINGHAM, JOHN L   | PHARMACOLOGY             | F05     |
| HD02849-01               | DE CASPER, ANTHONY J | PEDIATRICS               | F22     |
| HD02863-01               | MOYER, WILLIAM W     | DEVELOPMENTAL PSYCHOLOGY | F22     |
| TW02154-01               | RIVAS, JOAQUIN       | BIOCHEMISTRY             | F05     |
| INSTITUTION TOTAL        | 5                    |                          |         |
| CITY TOTAL               | 5                    |                          |         |
| LAWRENCE                 |                      |                          |         |
| UNIVERSITY OF KANSAS     |                      |                          |         |
| GM01625-01               | CARMAN, RICHARD A    | PHARMACOLOGY             | F22     |
| HD02633-01               | WARREN, ANN R        | DEVELOPMENTAL PSYCHOLOGY | F22     |
| INSTITUTION TOTAL        | 2                    |                          |         |
| CITY TOTAL               | 2                    |                          |         |
| STATE TOTAL              | 7                    |                          |         |
| KENTUCKY                 |                      |                          |         |
| LOUISVILLE               |                      |                          |         |
| UNIVERSITY OF LOUISVILLE |                      |                          |         |
| HD00759-01               | FINK, STEVEN C       | AGING PROCESS            | F22     |
| INSTITUTION TOTAL        | 1                    |                          |         |
| CITY TOTAL               | 1                    |                          |         |
| STATE TOTAL              | 1                    |                          |         |

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| APPLICATION NUMBER                                                                                                         | FELLOW                                                                                                                                         | FIELD OF INTEREST                                                                          | PROGRAM                                       |
|----------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|-----------------------------------------------|
| LOUISIANA<br>NEW ORLEANS<br>TULANE UNIVERSITY<br>GM05100-01<br>GM05075-01<br>GM00968-01<br>HD00858-01                      | GAUTAM, RAY<br>JACKSON, RUBY J<br>KASTL, PETER R<br>KOMNENICH, PAULINE                                                                         | ENGINEERING<br>MATHEMATICS<br>PHARMACOLOGY<br>PHYSIOLOGICAL PSYCHOLOGY                     | F14<br>F14<br>F22<br>F22                      |
| INSTITUTION TOTAL<br>CITY TOTAL                                                                                            | 4<br>4                                                                                                                                         |                                                                                            |                                               |
| STATE TOTAL                                                                                                                | 4                                                                                                                                              |                                                                                            |                                               |
| MAINE<br>BAR HARBOR<br>JACKSON LABORATORY<br>TW02177-01                                                                    | ROJAS, LEONOR                                                                                                                                  | PHYSIOLOGY                                                                                 | F05                                           |
| INSTITUTION TOTAL<br>CITY TOTAL                                                                                            | 1<br>1                                                                                                                                         |                                                                                            |                                               |
| STATE TOTAL                                                                                                                | 1                                                                                                                                              |                                                                                            |                                               |
| MARYLAND<br>BALTIMORE<br>BALTIMORE CITY HOSPITALS<br>HD01579-01                                                            | SCHENKMAN, MARGARET L                                                                                                                          | BIOCHEMISTRY                                                                               | F22                                           |
| INSTITUTION TOTAL                                                                                                          | 1                                                                                                                                              |                                                                                            |                                               |
| CARNEGIE INSTITUTION OF WASHINGTON, D. C.<br>GM02158-01                                                                    | TEPPERMAN, KATHERINE G                                                                                                                         | BIOCHEMISTRY                                                                               | F22                                           |
| INSTITUTION TOTAL                                                                                                          | 1                                                                                                                                              |                                                                                            |                                               |
| JOHNS HOPKINS UNIVERSITY<br>GM00131-01<br>GM00520-01<br>HD01407-01<br>HL01207-01<br>HD01738-01<br>HL01512-01<br>GM00928-01 | AMSEL, JONATHAN<br>BURKE, WYLIE<br>CLOUD, JOSEPH G<br>CROCKETT, EDWARD D, JR<br>EPSTEIN, JOSHUA<br>FREDERIKSEN, JAMES W<br>FRESHWATER, M FELIX | GENETICS<br>GENETICS<br>PHYSIOLOGY<br>PULMONARY DISEASES<br>GENETICS<br>SURGERY<br>SURGERY | F22<br>F22<br>F22<br>F22<br>F22<br>F22<br>F22 |

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| APPLICATION NUMBER                                                                      | FELLOW                  | FIELD OF INTEREST                 | PROGRAM |
|-----------------------------------------------------------------------------------------|-------------------------|-----------------------------------|---------|
| <b>MARYLAND</b>                                                                         |                         |                                   |         |
| <b>BALTIMORE</b>                                                                        |                         |                                   |         |
| <b>JOHNS HOPKINS UNIVERSITY</b>                                                         |                         |                                   |         |
| EY01156-01                                                                              | KLEIN, MICHAEL L        | OPHTHALMOLOGY                     | F22     |
| HL00016-01                                                                              | KLINGENSMITH, WILLIAM C | NONCLINICAL RADIATION             | F22     |
| AM03252-01                                                                              | MAC LEAN, WILLIAM C, JR | PHYSIOLOGY                        | F22     |
| GM00886-01                                                                              | MARAN, JANICE E         | NUTRITION                         | F22     |
| HL01328-01                                                                              | MARCH, STEVEN C         | BIOCHEMISTRY                      | F22     |
| HL00994-01                                                                              | MIZIORKO, HENRY M       | BIOCHEMISTRY                      | F22     |
| TW02143-01                                                                              | OBIRINK, BJORN J        | CELL BIOLOGY                      | F05     |
| AI02370-01                                                                              | OLSON, CARL E           | MICROBIOLOGY                      | F22     |
| EY01250-01                                                                              | ORTH, DAVID H           | OPHTHALMOLOGY                     | F22     |
| GM00261-01                                                                              | PHILLIPS, JOHN A, III   | GENETICS                          | F22     |
| EY02393-01                                                                              | POLA, JORDAN R          | PHYSIOLOGY                        | F22     |
| TW02175-01                                                                              | REEVE, ANTHONY E        | BIOCHEMISTRY                      | F05     |
| HD00370-01                                                                              | ROBAIRE, BERNARD        | PHYSIOLOGY                        | F22     |
| AI00774-01                                                                              | SACK, DAVID A           | PEDIATRICS                        | F22     |
| GM00084-01                                                                              | SCOTT, ALAN F           | GENETICS                          | F22     |
| HD02597-01                                                                              | SULEWSKI, JOAN M        | OBSTETRICS AND GYNECOLOGY         | F22     |
| HD00081-01                                                                              | UMBREIT, JAY N          | BIOLOGY                           | F22     |
| GM57546-01                                                                              | VIGUE, CHARLES L        | BIOLOGY                           | F02     |
| <b>INSTITUTION TOTAL 25</b>                                                             |                         |                                   |         |
| <b>CITY TOTAL</b>                                                                       |                         |                                   |         |
| <b>UNIVERSITY OF MARYLAND SYSTEM--UNIVERSITY OF MARYLAND</b>                            |                         |                                   |         |
| TW02216-01                                                                              | COLLAN, YRJO U          | PROFESSIONAL SCHOOLS              | F05     |
| HD02497-01                                                                              | DAVIS, HARRY N, JR      | CLINICAL PATHOLOGY                | F22     |
| GM05087-01                                                                              | PAYTON, CECIL W         | NEUROENDOCRINOLOGY                | F14     |
| <b>INSTITUTION TOTAL 3</b>                                                              |                         |                                   |         |
| <b>CITY TOTAL 30</b>                                                                    |                         |                                   |         |
| <b>BELTSVILLE</b>                                                                       |                         |                                   |         |
| <b>U.S. DEPARTMENT OF AGRICULTURE--NATIONAL RESEARCH CENTER</b>                         |                         |                                   |         |
| GM05078-01                                                                              | STEVENSON, ENOLA L      | BIOCHEMISTRY                      | F14     |
| <b>INSTITUTION TOTAL 1</b>                                                              |                         |                                   |         |
| <b>CITY TOTAL 1</b>                                                                     |                         |                                   |         |
| <b>BETHESDA</b>                                                                         |                         |                                   |         |
| <b>U.S. DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE--NATIONAL INSTITUTES OF HEALTH</b> |                         |                                   |         |
| TW00145-01                                                                              | BEYER, KARL H           | FOGARTY INTERNATIONAL SCHOLARSHIP | F15     |
| GM56100-01A1                                                                            | BOSE, SIKTA             | BIOCHEMISTRY                      | F14     |

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|----------------------------------------------------------------------------------|---------------------------|-----------------------------------|---------|
| MARYLAND                                                                         |                           |                                   |         |
| BETHESDA                                                                         |                           |                                   |         |
| U.S. DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE--NATIONAL INSTITUTES OF HEALTH |                           |                                   |         |
| TW00154-01                                                                       | BOVET, DANIEL             | FOGARTY INTERNATIONAL SCHOLARSHIP | F15     |
| AM01546-01                                                                       | COLEMAN, WILLIAM G, JR    | MICROBIOLOGY                      | F22     |
| AM00487-01                                                                       | DAVIS, RICHARD H, JR      | BIOCHEMISTRY                      | F22     |
| TW02138-01                                                                       | DYBING, ERIK              | PHARMACOLOGY                      | F05     |
| AI02274-01                                                                       | ENSINGER, MARCIA J        | MICROBIOLOGY                      | F22     |
| EY01488-01                                                                       | FAMIGLIETTI, EDWARD V, JR | PHYSIOLOGY                        | F22     |
| HD00868-01                                                                       | FIISK, CHERIE L           | PHYSIOLOGY                        | F22     |
| AM00711-01                                                                       | GERBER, NAOMI L           | CONNECTIVE TISSUE DISEASES        | F22     |
| AM00155-01                                                                       | GERLT, JOHN A             | BIOCHEMISTRY                      | F22     |
| TW02165-01                                                                       | GLINOER, DANIEL           | ENDOCRINOLOGY                     | F05     |
| HD02034-01                                                                       | GLUDE, MARY P             | PEDIATRICS                        | F22     |
| TW00151-01                                                                       | GODBER, GEORGE B          | FOGARTY INTERNATIONAL SCHOLARSHIP | F15     |
| TW02166-01                                                                       | HERVEG, JEAN P            | ANATOMY                           | F05     |
| TW02207-01                                                                       | HINO, SHIGEO              | MICROBIOLOGY                      | F05     |
| HL02206-01                                                                       | HINSON, JACK A            | PHARMACOLOGY                      | F22     |
| HD02717-01                                                                       | JENNINGS, KAY A           | PHYSIOLOGY                        | F22     |
| TW00155-01                                                                       | KATZ, BERNARD             | FOGARTY INTERNATIONAL SCHOLARSHIP | F15     |
| AM02693-01                                                                       | KINZIG, BARBARA J         | CHEMISTRY                         | F22     |
| TW00149-01                                                                       | LEBLOND, CHARLES P        | FOGARTY INTERNATIONAL SCHOLARSHIP | F15     |
| EY01983-01                                                                       | LEE, GEORGE               | BIOPHYSICS                        | F22     |
| GM01114-01                                                                       | LEMONS, RICHARD S         | GENETICS                          | F22     |
| GM02245-01                                                                       | MURNANE, MARY J           | GENETICS                          | F22     |
| TW02209-01                                                                       | NANBA, KOJI               | PATHOLOGY                         | F05     |
| TW00146-01                                                                       | NISHIMURA, HIDEO          | FOGARTY INTERNATIONAL SCHOLARSHIP | F15     |
| GM02365-01                                                                       | POHL, LANCE R             | PHARMACOLOGY                      | F22     |
| TW00153-01                                                                       | PRYWES, MOSHE             | FOGARTY INTERNATIONAL SCHOLARSHIP | F15     |
| TW00150-01                                                                       | RAMALINGASWAMI, VULIMIRI  | FOGARTY INTERNATIONAL SCHOLARSHIP | F15     |
| GM00701-01                                                                       | REHAK, NADJA              | CHEMISTRY                         | F22     |
| HL01270-01                                                                       | SCHRODE, JAMES            | BIOCHEMISTRY                      | F22     |
| TW02176-01                                                                       | SMITH, HOWARD J           | CARDIOVASCULAR DISEASES           | F05     |
| EY01968-01                                                                       | SZUTS, ETE Z              | PHYSIOLOGICAL PSYCHOLOGY          | F22     |
| TW02189-01                                                                       | TAPPAN, MARCEL L          | PHARMACOLOGY                      | F05     |
| TW02185-01                                                                       | THOMOPOULOS, PIERRE A     | ENDOCRINOLOGY                     | F05     |
| AM01807-01                                                                       | TSAI, MIIN-RONG           | BIOCHEMISTRY                      | F22     |
| TW00152-01                                                                       | VAN BEKKUM, DIRK W        | FOGARTY INTERNATIONAL SCHOLARSHIP | F15     |
| AI00373-01                                                                       | VON ESCHEN, KENNETH B     | MICROBIOLOGY                      | F22     |
| HL01720-01                                                                       | WALKER, GUSTAVUS A        | MICROBIOLOGY                      | F22     |
| AI00851-01                                                                       | WICKNER, SUE              | MICROBIOLOGY                      | F22     |
| TW00147-01                                                                       | WIELAND, THEODOR          | FOGARTY INTERNATIONAL SCHOLARSHIP | F15     |
| TW02211-01                                                                       | YAMAMURA, HIROHEI         | BIOCHEMISTRY                      | F05     |
| TW00148-01                                                                       | ZAMECNIK, PAUL C          | FOGARTY INTERNATIONAL SCHOLARSHIP | F15     |
| GM00973-01                                                                       | ZEMAITIS, MICHAEL A       | PHARMACOLOGY                      | F22     |

INSTITUTION TOTAL

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RESEARCH FELLOWSHIP AWARDS

| APPLICATION NUMBER                                                         | FELLOW                | FIELD OF INTEREST          | PROGRAM |
|----------------------------------------------------------------------------|-----------------------|----------------------------|---------|
| MASSACHUSETTS                                                              |                       |                            |         |
| AMHERST                                                                    |                       |                            |         |
| UNIVERSITY OF MASSACHUSETTS SYSTEM--UNIVERSITY OF MASSACHUSETTS AT AMHERST |                       |                            |         |
| HL02423-01                                                                 | TAVERNA, RICHARD D    | BIOCHEMISTRY               | F22     |
| INSTITUTION TOTAL 1                                                        |                       |                            |         |
| CITY TOTAL                                                                 | 44                    |                            |         |
| STATE TOTAL 75                                                             |                       |                            |         |
| BOSTON                                                                     |                       |                            |         |
| BOSTON BIOMEDICAL RESEARCH INSTITUTE                                       |                       |                            |         |
| HD02494-01                                                                 | ABU-ERREISH, GHALEB M | AGING PROCESS              | F22     |
| HD01098-01                                                                 | MITCHELL, DAVID H     | AGING PROCESS              | F22     |
| HL01210-01                                                                 | MOSS, RICHARD L       | PHYSIOLOGY                 | F22     |
| INSTITUTION TOTAL 3                                                        |                       |                            |         |
| BOSTON UNIVERSITY                                                          |                       |                            |         |
| HD02539-01                                                                 | KURTZ, MARY J         | AGING PROCESS              | F22     |
| HD03369-01                                                                 | STONE, PHILLIP J      | CONNECTIVE TISSUE DISEASES | F22     |
| INSTITUTION TOTAL 2                                                        |                       |                            |         |
| CHILDREN'S HOSPITAL MEDICAL CENTER                                         |                       |                            |         |
| AI00748-01                                                                 | BOXER, LAURENCE A     | PEDIATRICS                 | F22     |
| HD01998-01                                                                 | CHEN, KATHERIN H      | AGING PROCESS              | F22     |
| AI02504-01                                                                 | ECHEVERRIA, PETER     | PEDIATRICS                 | F22     |
| HD01100-01                                                                 | FISCHBEIN, CHARLES A  | PEDIATRICS                 | F22     |
| AI00214-01                                                                 | SCHWABER, JERROLD     | MICROBIOLOGY               | F22     |
| INSTITUTION TOTAL 5                                                        |                       |                            |         |
| HARVARD UNIVERSITY                                                         |                       |                            |         |
| GM01570-01                                                                 | ALTER, GERALD M       | BIOCHEMISTRY               | F22     |
| HD03039-01                                                                 | ASO, TAKENORI         | NEUROENDOCRINOLOGY         | F22     |
| AI02307-01                                                                 | BAKER, CAROL J        | PEDIATRICS                 | F22     |
| HD00040-01                                                                 | BASKAR, JOHN F        | BIOLOGY                    | F22     |
| EY02317-01                                                                 | BAUGHMAN, ROBERT W    | PHYSIOLOGICAL PSYCHOLOGY   | F22     |
| AM03057-01                                                                 | BIRNBAUM, ROGER S     | NEUROENDOCRINOLOGY         | F22     |
| HL01254-01                                                                 | BRUSIL, PAUL J        | PHYSIOLOGY                 | F22     |

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RESEARCH FELLOWSHIP AWARDS

| APPLICATION NUMBER                  | FELLOW                | FIELD OF INTEREST         | PROGRAM |
|-------------------------------------|-----------------------|---------------------------|---------|
| MASSACHUSETTS                       |                       |                           |         |
| BOSTON                              |                       |                           |         |
| HARVARD UNIVERSITY                  |                       |                           |         |
| HL03077-01                          | CANT, JAMES R         | PHYSIOLOGY                | F22     |
| AI00651-01                          | CHASE, JOHN W         | MICROBIOLOGY              | F22     |
| HD03103-01                          | DUCIBELLA, THOMAS     | PEDIATRICS                | F22     |
| GM00673-01                          | GOUGH, DAVID A        | CHEMISTRY                 | F22     |
| HL02584-01                          | GRANT, MARGARET M     | CELL BIOLOGY              | F22     |
| HL01393-01                          | INGELFINGER, JOSEPH A | INTERNAL MEDICINE         | F22     |
| CA00595-01                          | KLAGSBRUN, MICHAEL    | PATHOLOGY                 | F22     |
| HD01892-01                          | LAMPIDIS, THEODORE J  | CELL BIOLOGY              | F22     |
| NS04093-01                          | LANDIS, STORY         | NEUROLOGY                 | F22     |
| AI02143-01                          | LE CLERC, JOSEPH E    | MICROBIOLOGY              | F22     |
| AI01097-01                          | LEID, ROY W, JR       | MICROBIOLOGY              | F22     |
| TW02168-01                          | MCGILL, TREVOR J      | OTORHINOLARYNGOLOGY       | F22     |
| GM05073-01                          | MORGAN, LEONARD W     | BIOCHEMISTRY              | F05     |
| HL02537-01                          | POLK, BILLIE F        | INTERNAL MEDICINE         | F14     |
| HL01347-01                          | ROSENTHAL, MIRIAM     | BIOLOGY                   | F22     |
| EY00680-01                          | SILVER, JERRY         | PHYSIOLOGY                | F22     |
| HD03422-01                          | THACH, BRADLEY T      | PEDIATRICS                | F22     |
| HD01047-01                          | VERTEL, BARBARA A     | CELL BIOLOGY              | F22     |
| INSTITUTION TOTAL                   | 25                    |                           |         |
| MASSACHUSETTS GENERAL HOSPITAL      |                       |                           |         |
| GM02123-01                          | GARVEY, THOMAS Q, III | GASTROENTEROLOGY          | F22     |
| HL02131-01                          | HARDIN, JOHN A        | MICROBIOLOGY              | F22     |
| INSTITUTION TOTAL                   | 2                     |                           |         |
| NEW ENGLAND MEDICAL CENTER HOSPITAL |                       |                           |         |
| AM01018-01                          | SCOTT, GERTURDE E     | RENAL DISEASES            | F22     |
| INSTITUTION TOTAL                   | 1                     |                           |         |
| PETER BENT BRIGHAM HOSPITAL         |                       |                           |         |
| HL04045-01                          | BAHLER, ALAN S        | CARDIOVASCULAR DISEASES   | F22     |
| HD02583-01                          | CHONG, AUGUSTO P      | OBSTETRICS AND GYNECOLOGY | F22     |
| AI02682-01                          | LUNDIN, ANDREW P      | IMMUNOLOGY                | F22     |
| HL02228-01                          | MERSEY, JAMES H       | INTERNAL MEDICINE         | F22     |
| AM03295-01                          | PETERSON, LYNN M      | SURGERY                   | F22     |
| HL01379-01                          | THAMES, MARC D        | INTERNAL MEDICINE         | F22     |
| INSTITUTION TOTAL                   | 6                     |                           |         |

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RESEARCH FELLOWSHIP AWARDS

| APPLICATION NUMBER                        | FELLOW                | FIELD OF INTEREST        | PROGRAM |
|-------------------------------------------|-----------------------|--------------------------|---------|
| MASSACHUSETTS                             |                       |                          |         |
| BOSTON                                    |                       |                          |         |
| RETINA FOUNDATION                         |                       |                          |         |
| EY02596-01                                | DONSHIK, PETER C      | BIOCHEMISTRY             | F22     |
| EY01343-01                                | PATTEN, JAMES T       | PHARMACOLOGY             | F22     |
| INSTITUTION TOTAL 2                       |                       |                          |         |
| TUFTS UNIVERSITY                          |                       |                          |         |
| HD01334-01                                | BERCU, BARRY B        | PEDIATRICS               | F22     |
| HL01019-01                                | MADIAS, NICHOLAOS E   | PHYSIOLOGY               | F22     |
| EY02179-01                                | RICKER, DEANNA P      | PHYSIOLOGY               | F22     |
| AM01544-01                                | WARTH, JAMES A        | HEMATOLOGY               | F22     |
| INSTITUTION TOTAL 4                       |                       |                          |         |
| VETERANS ADMINISTRATION OUTPATIENT CLINIC |                       |                          |         |
| HD02546-01                                | CUNNINGHAM, WALTER R  | DEVELOPMENTAL PSYCHOLOGY | F22     |
| INSTITUTION TOTAL 1                       |                       |                          |         |
| CITY TOTAL 51                             |                       |                          |         |
| CAMBRIDGE                                 |                       |                          |         |
| HARVARD UNIVERSITY                        |                       |                          |         |
| EY03059-01                                | BIRGE, ROBERT R       | BIOPHYSICS               | F22     |
| HL03001-01                                | FERGUSON, JOHN B      | BIOCHEMISTRY             | F22     |
| AI02049-01                                | FITZPATRICK, JOSEPH M | CHEMISTRY                | F22     |
| HD03140-01                                | GOUCH, VAN D          | BIOPHYSICS               | F22     |
| AI00863-01                                | HUMPHREYS, ROBERT E   | IMMUNOLOGY               | F22     |
| EY57806-01                                | MC REYNOLDS, JOHN S   | PHYSIOLOGY               | F03     |
| HD01165-01                                | PARKE, BONNY K        | SOCIOLOGY                | F22     |
| EY03293-01                                | PEPPERBERG, DAVID R   | CELL BIOLOGY             | F22     |
| AI57680-01                                | PRESS, JEFFERY B      | CHEMISTRY                | F02     |
| AM02574-01                                | WHITE, STEPHEN L      | BIOCHEMISTRY             | F22     |
| GM04049-01                                | YU, JOHN C            | BIOCHEMISTRY             | F22     |
| INSTITUTION TOTAL 11                      |                       |                          |         |
| MASSACHUSETTS INSTITUTE OF TECHNOLOGY     |                       |                          |         |
| AI00226-01                                | BLOOM, FREDRIC R      | MICROBIOLOGY             | F22     |
| TM02157-01                                | KAUFMANN, Yael C      | CELL BIOLOGY             | F05     |
| HD01226-01                                | LUST, BARBARA C       | ANTHROPOLOGY             | F22     |
| EY02280-01                                | MALPELI, JOSEPH G     | PSYCHOLOGICAL PSYCHOLOGY | F22     |
| HL02567-01                                | MICHAELS, IRA A       | CHEMISTRY                | F22     |

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RESEARCH FELLOWSHIP AWARDS

| APPLICATION NUMBER                            | FELLOW                | FIELD OF INTEREST  | PROGRAM |
|-----------------------------------------------|-----------------------|--------------------|---------|
| MASSACHUSETTS<br>CAMBRIDGE                    |                       |                    |         |
| MASSACHUSETTS INSTITUTE OF TECHNOLOGY         |                       |                    |         |
| TWO2135-01                                    | OLSHESKY, UDY         | PATHOLOGY          | F05     |
| HL02072-01                                    | PETERSON, JOHN W      | BIOPHYSICS         | F22     |
| TWO2202-01                                    | ROBERS, PETER L       | MICROBIOLOGY       | F05     |
| EY02865-01                                    | ROTHSCHILD, KENNETH J | BIOPHYSICS         | F22     |
| TWO2013-01A1                                  | SANCHEZ, SERGIO E     | MICROBIOLOGY       | F05     |
| CA03429-01                                    | STEIN, MARTHA M       | CHEMISTRY          | F22     |
| AI01290-01                                    | UNKELESS, JAY C       | MICROBIOLOGY       | F22     |
| HD01912-01                                    | WILLIAMS, KATHERINE L | GENERAL PSYCHOLOGY | F22     |
| INSTITUTION TOTAL                             | 13                    |                    |         |
| CITY TOTAL                                    | 24                    |                    |         |
| SHREWSBURY                                    |                       |                    |         |
| WORCESTER FOUNDATION FOR EXPERIMENTAL BIOLOGY |                       |                    |         |
| HD01219-01                                    | HARRIS, MARY E        | PHYSIOLOGY         | F22     |
| HD00716-01                                    | PARKENING, TERRY A    | PHYSIOLOGY         | F22     |
| INSTITUTION TOTAL                             | 2                     |                    |         |
| CITY TOTAL                                    | 2                     |                    |         |
| WALTHAM                                       |                       |                    |         |
| BRANDEIS UNIVERSITY                           |                       |                    |         |
| AM00371-01                                    | DONIGER, JAY N        | BIOCHEMISTRY       | F22     |
| HL00065-01                                    | LATTMAN, EATON E      | BIOPHYSICS         | F22     |
| HL02278-01                                    | MEGERMAN, JOSEPH      | BIOPHYSICS         | F22     |
| AM00367-01                                    | SILVERMAN, RICHARD B  | BIOCHEMISTRY       | F22     |
| AM03031-01                                    | TORNHEIM, KEITH       | BIOCHEMISTRY       | F22     |
| INSTITUTION TOTAL                             | 5                     |                    |         |
| CITY TOTAL                                    | 5                     |                    |         |
| WOODS HOLE                                    |                       |                    |         |
| MARINE BIOLOGICAL LABORATORY                  |                       |                    |         |
| AM00093-01                                    | EDDS, KENNETH T       | BIOCHEMISTRY       | F22     |
| INSTITUTION TOTAL                             | 1                     |                    |         |
| CITY TOTAL                                    | 1                     |                    |         |
| STATE TOTAL                                   | 84                    |                    |         |

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RESEARCH FELLOWSHIP AWARDS

## PROGRAM

## FIELD OF INTEREST

## APPLICATION NUMBER FELLOW

|                        |                         |  |                                |
|------------------------|-------------------------|--|--------------------------------|
| MICHIGAN               |                         |  |                                |
| ANN ARBOR              |                         |  |                                |
| UNIVERSITY OF MICHIGAN | ANDERSEN, ROBERT D      |  | BIOCHEMISTRY F22               |
| ES03055-01             | BUTLER, WILLIAM B       |  | CLINICAL DENTISTRY F14         |
| GM05091-01             | FOSTER, DAVID M         |  | PHYSIOLOGY F22                 |
| GM00110-01             | GUENGERICH, FREDERICK P |  | BIOCHEMISTRY F22               |
| GM03149-01             | HOLT, JOHN A            |  | PHYSIOLOGY F22                 |
| HD02327-01             | MURON, EISUKE P         |  | PHYSIOLOGY F22                 |
| HD00852-01             | NELSON, PAUL G          |  | HEALTH-RELATED ENGINEERING F03 |
| GM57536-01             | POWELL, SANDRA A        |  | GENETICS F22                   |
| ES02379-01             | SMITH, DAVID G          |  | SOCIOLOGY F22                  |
| HD04089-01             | YEP, DENNIS             |  | GENETICS F22                   |
| GM00914-01             | YOUNG, ROCKEFELLER S    |  | PSYCHOLOGICAL PSYCHOLOGY F22   |
| EY00097-01             |                         |  |                                |
| INSTITUTION TOTAL      | 11                      |  |                                |
| CITY TOTAL             | 11                      |  |                                |

|                        |                      |  |                  |
|------------------------|----------------------|--|------------------|
| DETROIT                |                      |  |                  |
| WAYNE STATE UNIVERSITY | ESQUIVEL, PATRICIO S |  | MICROBIOLOGY F05 |
| TW02220-01             |                      |  |                  |
| INSTITUTION TOTAL      | 1                    |  |                  |
| CITY TOTAL             | 1                    |  |                  |

|                           |                   |  |                         |
|---------------------------|-------------------|--|-------------------------|
| EAST LANSING              |                   |  |                         |
| MICHIGAN STATE UNIVERSITY | BECK, DORIS J     |  | GENETICS F22            |
| GM00225-01                | CONIGLIO, LINDA P |  | PHYSIOLOGY F22          |
| HD02692-01                | MARKWELL, MARY A  |  | BIOCHEMISTRY F22        |
| HL00259-01                | PREACHE, MAURLINE |  | ABNORMAL PSYCHOLOGY F22 |
| ES00355-01                | SIMON, GEZA       |  | PHYSIOLOGY F22          |
| HL04038-01                | THOMAS, MICHAEL J |  | CHEMISTRY F02           |
| GM57549-01                | TRUJILLO, JOHN L  |  | BIOPHYSICS F22          |
| AM00945-01                | WAGNER, RICHARD W |  | MICROBIOLOGY F22        |
| NS04095-01                |                   |  |                         |
| INSTITUTION TOTAL         | 8                 |  |                         |
| CITY TOTAL                | 8                 |  |                         |
| STATE TOTAL               | 20                |  |                         |

|                         |                   |  |                |
|-------------------------|-------------------|--|----------------|
| MINNESOTA               |                   |  |                |
| MINNEAPOLIS             |                   |  |                |
| UNIVERSITY OF MINNESOTA | BRANDA, RICHARD F |  | HEMATOLOGY F22 |
| AM03066-01              |                   |  |                |

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RESEARCH FELLOWSHIP AWARDS

| APPLICATION NUMBER                   | FELLOW              | FIELD OF INTEREST        | PROGRAM |
|--------------------------------------|---------------------|--------------------------|---------|
| MINNESOTA                            |                     |                          |         |
| MINNEAPOLIS                          |                     |                          |         |
| UNIVERSITY OF MINNESOTA              |                     |                          |         |
| HD01345-01                           | DRESNER, IAN G      | PEDIATRICS               | F22     |
| TW02145-01                           | GUO, MING-KUANG     | CLINICAL DENTISTRY       | F05     |
| HL01794-01                           | HAMMOND, ROBERT D   | BIOLOGY                  | F22     |
| HD00753-01                           | HANRAHAN, LEO R, JR | IMMUNOLOGY               | F22     |
| HL02626-01                           | KERSTEN, THOMAS E   | PHYSIOLOGY               | F22     |
| HD02824-01                           | KNIGHT, PHILIP J    | GENETICS                 | F22     |
| AM00300-01                           | LEE, STANLEY M      | RENAL DISEASES           | F22     |
| HD02723-01                           | MILEWSKI, ALLEN E   | DEVELOPMENTAL PSYCHOLOGY | F22     |
| AM01090-01                           | NEVINS, THOMAS E    | PEDIATRICS               | F22     |
| HD01164-01                           | RAYGOR, ROBIN D     | GENERAL PSYCHOLOGY       | F22     |
| GM00690-01                           | TOWNSEND, DEWAYNE   | GENETICS                 | F22     |
| HL01053-01                           | WARDEN, ANITA F     | COMPARATIVE PSYCHOLOGY   | F22     |
| INSTITUTION TOTAL                    | 13                  |                          |         |
| CITY TOTAL                           | 13                  |                          |         |
| ROCHESTER                            |                     |                          |         |
| MAYO FOUNDATION                      |                     |                          |         |
| TW02125-01                           | ALLAN, ROBERT M     | INTERNAL MEDICINE        | F05     |
| HL00168-01                           | BEATY, ORREN, III   | PHYSIOLOGY               | F22     |
| HL03155-01                           | CHEVALIER, PETER A  | PHYSIOLOGY               | F22     |
| HL00850-01                           | MARCHAND, GARY R    | PHARMACOLOGY             | F22     |
| HL02283-01                           | MULDOON, SHEILA M   | ANESTHESIOLOGY           | F22     |
| INSTITUTION TOTAL                    | 5                   |                          |         |
| MAYO FOUNDATION--MAYO CLINIC         |                     |                          |         |
| HL01078-01                           | LAI, YIH-LOONG      | PHYSIOLOGY               | F22     |
| AM00778-01                           | MILLER, SAM S       | ENDOCRINOLOGY            | F22     |
| HL02341-01                           | ROBB, RICHARD A     | BIostatISTICS            | F22     |
| INSTITUTION TOTAL                    | 3                   |                          |         |
| MAYO FOUNDATION--MAYO MEDICAL SCHOOL |                     |                          |         |
| AM03141-01                           | GOLDYNE, MARC E     | DERMATOLOGY&SYPHILOLOGY  | F22     |
| AM00983-01                           | HEATH, HUNTER, III  | ENDOCRINOLOGY            | F22     |
| HD01444-01                           | RICHERT, NANCY J    | PHYSIOLOGY               | F22     |
| TW02167-01                           | VERHAEGHE, RAYMOND  | CARDIOVASCULAR DISEASES  | F05     |
| INSTITUTION TOTAL                    | 4                   |                          |         |
| CITY TOTAL                           | 12                  |                          |         |

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RESEARCH FELLOWSHIP AWARDS

| APPLICATION NUMBER                       | FELLOW                 | FIELD OF INTEREST           | PROGRAM |
|------------------------------------------|------------------------|-----------------------------|---------|
| <b>MINNESOTA</b>                         |                        |                             |         |
| SAINT PAUL                               |                        |                             |         |
| UNIVERSITY OF MINNESOTA                  |                        |                             |         |
| GM57842-01                               | LEPPERT, MARK F        | GENETICS                    | F02     |
| HD00495-01                               | MARTIN, JAMES T        | PHYSIOLOGY                  | F22     |
| EY01977-01                               | PEIFFER, ROBERT L, JR  | OPHTHALMOLOGY               | F22     |
| ES00444-01                               | SEGALL, HENRY J        | BIOCHEMISTRY                | F22     |
| INSTITUTION TOTAL 4                      |                        |                             |         |
| CITY TOTAL 4                             |                        |                             |         |
| STATE TOTAL 29                           |                        |                             |         |
| <b>MISSISSIPPI</b>                       |                        |                             |         |
| JACKSON                                  |                        |                             |         |
| UNIVERSITY OF MISSISSIPPI MEDICAL CENTER |                        |                             |         |
| TW02041-01                               | DHAR, JAWAHARLAL       | MATH, PHYS SCI, ENGR, OTHER | F05     |
| INSTITUTION TOTAL 1                      |                        |                             |         |
| CITY TOTAL 1                             |                        |                             |         |
| <b>UNIVERSITY OF MISSISSIPPI</b>         |                        |                             |         |
| GM05066-01                               | DEBRO, LAJOYCE A       | PHYSIOLOGY                  | F14     |
| INSTITUTION TOTAL 1                      |                        |                             |         |
| CITY TOTAL 1                             |                        |                             |         |
| STATE TOTAL 2                            |                        |                             |         |
| <b>MISSOURI</b>                          |                        |                             |         |
| SAINT LOUIS                              |                        |                             |         |
| ST. LOUIS UNIVERSITY                     |                        |                             |         |
| HL03166-01                               | HOLLAND, CHARLES E, JR | BIOCHEMISTRY                | F22     |
| HL03274-01                               | NARDACCI, NICHOLAS J   | BIOCHEMISTRY                | F22     |
| INSTITUTION TOTAL 2                      |                        |                             |         |
| <b>WASHINGTON UNIVERSITY</b>             |                        |                             |         |
| A100199-01                               | ARROYO, JULIO C        | INFECTIOUS DISEASES         | F22     |
| A101721-01                               | ATKINSON, JOHN P       | IMMUNOLOGY                  | F22     |
| A100284-01                               | BUGUSLAWSKI, GEORGE    | MICROBIOLOGY                | F22     |

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RESEARCH FELLOWSHIP AWARDS

| APPLICATION NUMBER                                                   | FELLOW                 | FIELD OF INTEREST        | PROGRAM |
|----------------------------------------------------------------------|------------------------|--------------------------|---------|
| MISSOURI                                                             |                        |                          |         |
| SAINT LOUIS                                                          |                        |                          |         |
| WASHINGTON UNIVERSITY                                                |                        |                          |         |
| A100685-01                                                           | BRILES, DAVID E        | MICROBIOLOGY             | F22     |
| TW02183-01                                                           | CHANARD, JACQUES M     | ENDOCRINOLOGY            | F05     |
| HD01609-01                                                           | DALEY, GILROY L        | PHYSIOLOGY               | F22     |
| AM00126-01                                                           | FITTS, ROBERT H        | PHYSIOLOGY               | F22     |
| GM00175-01                                                           | GOTTLIEB, CHARLENE C   | CELL BIOLOGY             | F22     |
| EY00058-01                                                           | HARBIN, THOMAS S, JR   | PHARMACOLOGY             | F22     |
| AM01294-01                                                           | HIRSHBERG, GARY E      | TRANSPLANTATION STUDIES  | F22     |
| HD00057-01                                                           | KENT, CLAUDIA M        | BIOCHEMISTRY             | F22     |
| A101786-01                                                           | KULCZYCKI, ANTHONY, JR | MICROBIOLOGY             | F22     |
| A101132-01                                                           | MC MILLIAN, RAY A      | MICROBIOLOGY             | F22     |
| AM00280-01                                                           | STRAUSS, ARNOLD W      | BIOCHEMISTRY             | F22     |
| EY58447-01                                                           | SUGAR, JOEL            | BIOPHYSICS               | F03     |
| INSTITUTION TOTAL 15                                                 |                        |                          |         |
| CITY TOTAL 17                                                        |                        |                          |         |
| STATE TOTAL 17                                                       |                        |                          |         |
| NEBRASKA                                                             |                        |                          |         |
| OMAHA                                                                |                        |                          |         |
| UNIVERSITY OF NEBRASKA SYSTEM--UNIVERSITY OF NEBRASKA MEDICAL CENTER |                        |                          |         |
| HL02402-01                                                           | SIEGFRIED, CHARLES M   | BIOCHEMISTRY             | F22     |
| INSTITUTION TOTAL 1                                                  |                        |                          |         |
| CITY TOTAL 1                                                         |                        |                          |         |
| STATE TOTAL 1                                                        |                        |                          |         |
| NEW JERSEY                                                           |                        |                          |         |
| NEWARK                                                               |                        |                          |         |
| RUTGERS UNIVERSITY                                                   |                        |                          |         |
| HD00250-01                                                           | NUMAN, MICHAEL         | PHYSIOLOGICAL PSYCHOLOGY | F22     |
| INSTITUTION TOTAL 1                                                  |                        |                          |         |
| CITY TOTAL 1                                                         |                        |                          |         |
| -PRINCETON                                                           |                        |                          |         |
| PRINCETON UNIVERSITY                                                 |                        |                          |         |
| GM00048-01                                                           | DUBROW, ROBERT D       | CELL BIOLOGY             | F22     |

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RESEARCH FELLOWSHIP AWARDS

| APPLICATION NUMBER                                          | FELLOW             | FIELD OF INTEREST        | PROGRAM |
|-------------------------------------------------------------|--------------------|--------------------------|---------|
| NEW JERSEY                                                  |                    |                          |         |
| PRINCETON                                                   |                    |                          |         |
| PRINCETON UNIVERSITY                                        |                    |                          |         |
| AIO2876-01                                                  | GUND, TAMARA H     | MICROBIOLOGY             | F22     |
| INSTITUTION TOTAL 2                                         |                    |                          |         |
| CITY TOTAL 2                                                |                    |                          |         |
| STATE TOTAL 3                                               |                    |                          |         |
| NEW MEXICO                                                  |                    |                          |         |
| ALBUQUERQUE                                                 |                    |                          |         |
| UNIVERSITY OF NEW MEXICO                                    |                    |                          |         |
| AIO2683-01                                                  | VAN EPPS, DENNIS E | MICROBIOLOGY             | F22     |
| INSTITUTION TOTAL 1                                         |                    |                          |         |
| CITY TOTAL 1                                                |                    |                          |         |
| UNIVERSITY PARK                                             |                    |                          |         |
| NEW MEXICO STATE UNIVERSITY                                 |                    |                          |         |
| HL01257-01                                                  | CONRAD, RONALD C   | BIOCHEMISTRY             | F22     |
| INSTITUTION TOTAL 1                                         |                    |                          |         |
| CITY TOTAL 1                                                |                    |                          |         |
| STATE TOTAL 2                                               |                    |                          |         |
| NEW YORK                                                    |                    |                          |         |
| ALBANY                                                      |                    |                          |         |
| UNION COLLEGE AND UNIVERSITY SYSTEM--ALBANY MEDICAL COLLEGE |                    |                          |         |
| AM02323-01                                                  | FRASCA, PETER      | BIOPHYSICS               | F22     |
| ES01130-01                                                  | GUDEWICZ, PAUL W   | PHYSIOLOGICAL PSYCHOLOGY | F22     |
| INSTITUTION TOTAL 2                                         |                    |                          |         |
| CITY TOTAL 2                                                |                    |                          |         |
| BINGHAMTON                                                  |                    |                          |         |
| STATE UNIVERSITY OF NEW YORK AT BINGHAMTON                  |                    |                          |         |
| HD01069-01                                                  | POLLAK, EDWARD I   | BIOLOGY                  | F22     |
| INSTITUTION TOTAL 1                                         |                    |                          |         |
| CITY TOTAL 1                                                |                    |                          |         |

NIH  
RESEARCH FELLOWSHIP AWARDS

| APPLICATION NUMBER                                                                                                                                                                      | FELLOW                                                                                                                                                                     | FIELD OF INTEREST                                                                                                                        | PROGRAM                                              |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------|
| NEW YORK<br>BUFFALO<br>NEW YORK STATE DEPARTMENT OF HEALTH--ROSWELL PARK MEMORIAL INSTITUTE<br>AM03382-01                                                                               | TWETO, JOHN H                                                                                                                                                              | BIOCHEMISTRY                                                                                                                             | F22                                                  |
| INSTITUTION TOTAL 1                                                                                                                                                                     |                                                                                                                                                                            |                                                                                                                                          |                                                      |
| STATE UNIVERSITY OF NEW YORK AT BUFFALO<br>AM01065-01<br>AM01021-01                                                                                                                     | FRENCH, WILLIAM C<br>TRITSCH, NORMA E                                                                                                                                      | BIOCHEMISTRY<br>BIOCHEMISTRY                                                                                                             | F22<br>F22                                           |
| INSTITUTION TOTAL 2                                                                                                                                                                     |                                                                                                                                                                            |                                                                                                                                          |                                                      |
| CITY TOTAL 3                                                                                                                                                                            |                                                                                                                                                                            |                                                                                                                                          |                                                      |
| ITHACA<br>CORNELL UNIVERSITY<br>AT03096-01<br>HL00043-01<br>HL00734-01<br>HD02144-01<br>AM00531-01<br>ES01231-01<br>CA03351-01<br>GM03172-01                                            | CORBEIL, LYNETTE B<br>COREY, JOYCE E<br>GREEN, MICHAEL H<br>MAHONEY, GERALD J<br>MC DONALD, MELISENDA J<br>RAYMOND, DEBORAH J<br>SMOLANOFF, JOEL R<br>ZIMMERMAN, STEPHEN S | VETERINARY MEDICINE<br>NUTRITION<br>NUTRITION<br>EDUCATIONAL PSYCHOLOGY<br>BIOPHYSICS<br>MICROBIOLOGY<br>CHEMISTRY<br>BIOCHEMISTRY       | F22<br>F22<br>F22<br>F22<br>F22<br>F22<br>F22<br>F22 |
| INSTITUTION TOTAL 8                                                                                                                                                                     |                                                                                                                                                                            |                                                                                                                                          |                                                      |
| CITY TOTAL 8                                                                                                                                                                            |                                                                                                                                                                            |                                                                                                                                          |                                                      |
| NEW YORK<br>CITY UNIVERSITY OF NEW YORK--MOUNT SINAI SCHOOL OF MEDICINE<br>ES02553-01<br>NS02803-01<br>HL02591-01<br>EY00894-01<br>ES02716-01<br>GM05095-01<br>ES02565-01<br>AM01507-01 | ANDERSON, HENRY A<br>BODIS-WOLLNER, IVAN G<br>LORIMER, WILLIAM V<br>REINACH, PETER S<br>WEYEL, DIETRICH A<br>WILSON, VANNIE W, JR<br>WOLFF, MARY L<br>ZELAZO, PETER D      | GENERAL HEALTH-RELATED TRAINING<br>PHYSIOLOGY<br>EPIDEMIOLOGY<br>BIOPHYSICS<br>EPIDEMIOLOGY<br>BIOCHEMISTRY<br>CHEMISTRY<br>BIOCHEMISTRY | F22<br>F22<br>F22<br>F22<br>F22<br>F14<br>F22<br>F22 |
| INSTITUTION TOTAL 8                                                                                                                                                                     |                                                                                                                                                                            |                                                                                                                                          |                                                      |
| COLUMBIA UNIVERSITY<br>GM57747-01                                                                                                                                                       | HAGEDORN, ALFRED A, III                                                                                                                                                    | CHEMISTRY                                                                                                                                | F02                                                  |

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RESEARCH FELLOWSHIP AWARDS

| APPLICATION NUMBER                                                                             | FELLOW                 | FIELD OF INTEREST          | PROGRAM |
|------------------------------------------------------------------------------------------------|------------------------|----------------------------|---------|
| NEW YORK                                                                                       |                        |                            |         |
| NEW YORK                                                                                       |                        |                            |         |
| COLUMBIA UNIVERSITY                                                                            |                        |                            |         |
| TW02215-01                                                                                     | HIETANEN, EINO K       | NUTRITION                  | F05     |
| HL02631-01                                                                                     | KAHN, PETER C          | BIOCHEMISTRY               | F22     |
| AM01487-01                                                                                     | KIM, HY0 C             | HEMATOLOGY                 | F22     |
| CA57542-01                                                                                     | KOWALSKI, CONRAD J     | CHEMISTRY                  | F02     |
| HD54985-01                                                                                     | MILLER, WAYNE A        | PHYSIOLOGY                 | F02     |
| AM01704-01                                                                                     | SHERER, GLENN K        | CONNECTIVE TISSUE DISEASES | F22     |
| HD02526-01                                                                                     | STARK, RAYMOND L       | PEDIATRICS                 | F22     |
| HD02407-01                                                                                     | TSANG, HING-LING       | PEDIATRICS                 | F22     |
| INSTITUTION TOTAL                                                                              | 9                      |                            |         |
| CORNELL UNIVERSITY MEDICAL COLLEGE                                                             |                        |                            |         |
| AM01565-01                                                                                     | BOINEAU, FRANKLIN G    | PEDIATRICS                 | F22     |
| AT03068-01                                                                                     | BRAUSE, BARRY D        | INFECTIOUS DISEASES        | F22     |
| AM01397-01                                                                                     | GRIFFITH, OWEN W       | BIOCHEMISTRY               | F22     |
| AM02535-01                                                                                     | LIEBLING, DAVID S      | PSYCHIATRY                 | F22     |
| AM00329-01                                                                                     | SAENGER, PAUL H        | PEDIATRICS                 | F22     |
| HL00060-01                                                                                     | SCHLEIDER, MICHAEL A   | BIOCHEMISTRY               | F22     |
| AT01894-01                                                                                     | SLANKARD, MARJORIE L   | MICROBIOLOGY               | F22     |
| INSTITUTION TOTAL                                                                              | 7                      |                            |         |
| MONTEFIORE HOSPITAL AND MEDICAL CENTER                                                         |                        |                            |         |
| TW02128-01                                                                                     | DOMAGALA, WENANCJUSZ M | PATHOLOGY                  | F05     |
| INSTITUTION TOTAL                                                                              | 1                      |                            |         |
| NEW YORK CITY HEALTH SERVICES ADMINISTRATION---PUBLIC HEALTH RESEARCH INSTITUTE OF CITY OF N Y |                        |                            |         |
| AT01235-01                                                                                     | DAVIDOFF-ABELSON, ROSA | CELL BIOLOGY               | F22     |
| INSTITUTION TOTAL                                                                              | 1                      |                            |         |
| NEW YORK MEDICAL COLLEGE                                                                       |                        |                            |         |
| TW02148-01                                                                                     | DEL RIO, ALBERTO G     | PHYSIOLOGY                 | F05     |
| INSTITUTION TOTAL                                                                              | 1                      |                            |         |
| NEW YORK UNIVERSITY                                                                            |                        |                            |         |
| ES02385-01                                                                                     | FULLER, BARBARA B      | BIOCHEMISTRY               | F22     |
| EY02259-01                                                                                     | KENNEDY, MICHAEL C     | PHYSIOLOGY                 | F22     |
| ES02074-01                                                                                     | PACK, GEORGE R         | ENVIRONMENTAL SCIENCES     | F22     |
| AT02053-01                                                                                     | SCHRIBER, ROBERT A     | IMMUNOLOGY                 | F22     |

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RESEARCH FELLOWSHIP AWARDS

| APPLICATION NUMBER                                     | FELLOW                     | FIELD OF INTEREST        | PROGRAM |
|--------------------------------------------------------|----------------------------|--------------------------|---------|
| NEW YORK                                               |                            |                          |         |
| NEW YORK                                               |                            |                          |         |
| NEW YORK UNIVERSITY                                    |                            |                          |         |
| ES02833-01                                             | SHEPPARD, ASHER R          | BIOSCIENCES              | F22     |
| EY01689-01                                             | SPINOWITZ, BRUCE S         | BIOCHEMISTRY             | F22     |
| AI03011-01                                             | SPIITALNY, GEORGE L        | MICROBIOLOGY             | F22     |
| ES02075-01                                             | SWISSLER, THOMAS J         | BIOSCIENCES              | F22     |
| INSTITUTION TOTAL 8                                    |                            |                          |         |
| ROCKEFELLER UNIVERSITY                                 |                            |                          |         |
| AI03034-01                                             | AKERS, HUGH A              | BIOCHEMISTRY             | F22     |
| AI01814-01                                             | BEYER, CARL F, JR          | MICROBIOLOGY             | F22     |
| CA00118-01                                             | BRYNES, PAUL J             | BIOCHEMISTRY             | F22     |
| GM02548-01                                             | CROSS, RONALD A            | CELL BIOLOGY             | F22     |
| AI02328-01                                             | CROSS, RISE K              | MICROBIOLOGY             | F22     |
| AM02360-01                                             | GRILL, HARVEY J            | PHYSIOLOGICAL PSYCHOLOGY | F22     |
| GM01063-01                                             | HARDING, CHERYL F          | PHYSIOLOGICAL PSYCHOLOGY | F22     |
| EY03182-01                                             | HOCHSTEIN, STEPHEN         | PHYSIOLOGY               | F22     |
| EY03220-01                                             | KAPLAN, EHUD               | ANATOMY                  | F22     |
| TW02045-01A1                                           | LAVI, URI                  | CELL BIOLOGY             | F22     |
| AI00771-01                                             | MUNFORD, ROBERT S          | INFECTIOUS DISEASES      | F05     |
| TW02062-01                                             | OLPE, HANS-RUDOLF          | BIOCHEMISTRY             | F22     |
| AM02766-01                                             | SINCLAIR, PETER R          | BIOCHEMISTRY             | F05     |
| AI02330-01                                             | STERN, RICHARD             | IMMUNOLOGY               | F22     |
| INSTITUTION TOTAL 14                                   |                            |                          |         |
| STATE UNIVERSITY OF NEW YORK--DOWNSTATE MEDICAL CENTER |                            |                          |         |
| AM00726-01                                             | GIDARI, ANTHONY S          | PHYSIOLOGY               | F22     |
| INSTITUTION TOTAL 1                                    |                            |                          |         |
| YESHIVA UNIVERSITY                                     |                            |                          |         |
| AI02005-01                                             | DHARMGRONGARTAMA, BHANUMAS | MICROBIOLOGY             | F22     |
| AI01373-01                                             | DUNN, MICHAEL A            | TROPICAL MEDICINE        | F22     |
| HL02870-01                                             | ELBAUM, DANEK              | BIOCHEMISTRY             | F22     |
| GM01513-01                                             | FABRY, MARY E              | CELL BIOLOGY             | F22     |
| AM01066-01                                             | HARRIS, DANIEL C           | BIOPHYSICS               | F22     |
| HD00911-01                                             | HOBBS, JEAN F              | PEDIATRICS               | F22     |
| HL02838-01                                             | LANDAU, LEON C             | PHYSIOLOGY               | F22     |
| HD00315-01                                             | PRIMACK, WILLIAM A         | PEDIATRICS               | F22     |
| HL58287-01                                             | ROTH, EUGENE F, JR         | HEMATOLOGY               | F03     |
| HD00258-01                                             | TSENG, PO-I                | PEDIATRICS               | F22     |
| AI02007-01                                             | UDEM, STEPHEN A            | INFECTIOUS DISEASES      | F22     |
| INSTITUTION TOTAL 11                                   |                            |                          |         |

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RESEARCH FELLOWSHIP AWARDS

| APPLICATION NUMBER                                      | FELLOW               | FIELD OF INTEREST        | PROGRAM |
|---------------------------------------------------------|----------------------|--------------------------|---------|
| CITY TOTAL                                              | 61                   |                          |         |
| NEW YORK                                                |                      |                          |         |
| ROCHESTER                                               |                      |                          |         |
| UNIVERSITY OF ROCHESTER                                 |                      |                          |         |
| AM01408-01                                              | BEDARD, DONNA L      | HEMATOLOGY               | F22     |
| AM01808-01                                              | GREGG, CHRISTINE     | PHYSIOLOGY               | F22     |
| HD00640-01                                              | HOFFMAN, GLORIA E    | NEUROENDOCRINOLOGY       | F22     |
| AM01183-01                                              | IRONS, RICHARD D     | PHARMACOLOGY             | F22     |
| HL01325-01                                              | KRONENBERG, MARVIN W | INTERNAL MEDICINE        | F22     |
| AM00076-01                                              | SCARPACE, PHILIP J   | BIOPHYSICS               | F22     |
| ES01840-01                                              | SHAIKH, ZAHIR, A     | BIOCHEMISTRY             | F22     |
| NS04094-01                                              | TSENG, MICHAEL T     | NEUROENDOCRINOLOGY       | F22     |
| HD00630-01                                              | TURPEN, CAROL J      | NEUROENDOCRINOLOGY       | F22     |
| AI03381-01                                              | TURPEN, JAMES B      | MICROBIOLOGY             | F22     |
| AI02590-01                                              | WALSH, WILLIAM T     | MICROBIOLOGY             | F22     |
| INSTITUTION TOTAL                                       | 11                   |                          |         |
| CITY TOTAL                                              | 11                   |                          |         |
| STONY BROOK                                             |                      |                          |         |
| STATE UNIVERSITY OF NEW YORK AT STONY BROOK             |                      |                          |         |
| AI00209-01                                              | LUCAS, JOSEPH J      | MICROBIOLOGY             | F22     |
| INSTITUTION TOTAL                                       | 1                    |                          |         |
| CITY TOTAL                                              | 1                    |                          |         |
| SYRACUSE                                                |                      |                          |         |
| SYRACUSE UNIVERSITY                                     |                      |                          |         |
| HD02225-01                                              | ELIAS, JEFFREY W     | DEVELOPMENTAL PSYCHOLOGY | F22     |
| HD02064-01                                              | KELLY, PENELOPE L    | DEVELOPMENTAL PSYCHOLOGY | F22     |
| INSTITUTION TOTAL                                       | 2                    |                          |         |
| CITY TOTAL                                              | 2                    |                          |         |
| UPTON                                                   |                      |                          |         |
| ASSOCIATED UNIVERSITIES--BROOKHAVEN NATIONAL LABORATORY |                      |                          |         |
| HL01439-01                                              | FRIEDMAN, RICHARD    | GENERAL PSYCHOLOGY       | F22     |
| INSTITUTION TOTAL                                       | 1                    |                          |         |
| CITY TOTAL                                              | 1                    |                          |         |

NIH  
RESEARCH FELLOWSHIP AWARDS

## PROGRAM

## FIELD OF INTEREST

## APPLICATION NUMBER FELLOW

NEW YORK  
YONKERS

BOYCE THOMPSON INSTITUTE FOR PLANT RESEARCH  
AIO2110-01 AL-AIDROOS, KAREN

MICROBIOLOGY

F22

INSTITUTION TOTAL 1  
CITY TOTAL 1

STATE TOTAL 91

NORTH CAROLINA  
CHAPEL HILL

UNIVERSITY OF NORTH CAROLINA SYSTEM--UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL

|            |                       |                     |     |
|------------|-----------------------|---------------------|-----|
| GM05097-01 | BANKS, RICHARD A      | GENETICS            | F14 |
| HD01505-01 | D'ERCOLE, AUGUSTINE J | PEDIATRICS          | F22 |
| HD03106-01 | EDGEALL, CORA J       | GENETICS            | F22 |
| CA00947-01 | GOSGIN, LEE A         | MICROBIOLOGY        | F22 |
| AM02821-01 | INGRAM, CHRISTINA J   | PHYSIOLOGY          | F22 |
| GM05076-01 | JONES, CHARLES R      | PHYSICS             | F14 |
| HD03007-01 | KEEFER, DONALD A      | BIOLOGY             | F22 |
| HL01116-01 | LEVINER, JOHN L       | INTERNAL MEDICINE   | F22 |
| GM00688-01 | LIN, NORM S           | GENETICS            | F22 |
| ES02281-01 | MAGUIRE, JAMES H      | CHEMISTRY           | F22 |
| ES01766-01 | MOST, BERNARD M       | MATHEMATICS         | F22 |
| AI00754-01 | POWELL, DWIGHT A      | PEDIATRICS          | F22 |
| HL00282-01 | SPIELMAN, WILLIAM S   | PHYSIOLOGY          | F22 |
| ES01804-01 | STERN, SANDER         | CLINICAL PSYCHOLOGY | F22 |
| ES02042-01 | TUEY, DANIEL B        | PHYSICS             | F22 |
| AI01729-01 | WEINER, MARC H        | INFECTIOUS DISEASES | F22 |
| ES01893-01 | WEISSBERG, JOSEPH B   | INTERNAL MEDICINE   | F22 |
| HL01548-01 | WHITE, GILBERT C, II  | BIOCHEMISTRY        | F22 |

INSTITUTION TOTAL 18  
CITY TOTAL 18

DURHAM

DUKE UNIVERSITY

ES01723-01 ABU-DONIA, MOHAMED B  
AM02159-01 BARNES, ALBERT J  
HL01672-01 CALA, PETER M  
AM02296-01 DREZNER, MARC K  
HD01734-01 FLETCHER, WILLIAM H  
HL02006-01 FREITTO, LARRY J

PHARMACOLOGY  
BIOCHEMISTRY  
BIOCHEMISTRY  
CONNECTIVE TISSUE DISEASES  
ANATOMY  
BIOPHYSICS

F22  
F22  
F22  
F22  
F22  
F22

NIH  
RESEARCH FELLOWSHIP AWARDS

| APPLICATION NUMBER                                                                                  | FELLOW                    | FIELD OF INTEREST        | PROGRAM |
|-----------------------------------------------------------------------------------------------------|---------------------------|--------------------------|---------|
| <b>NORTH CAROLINA</b>                                                                               |                           |                          |         |
| <b>DURHAM</b>                                                                                       |                           |                          |         |
| <b>DUKE UNIVERSITY</b>                                                                              |                           |                          |         |
| A103238-01                                                                                          | LAND, GEOFFREY A          | MICROBIOLOGY             | F22     |
| TW02159-01                                                                                          | LYNN, TSONG-CHOU          | MICROBIOLOGY             | F05     |
| HD02845-01                                                                                          | MAURER, WILLIAM F         | BIOLOGY                  | F22     |
| A100218-01                                                                                          | MITCHELL, WAYNE R         | MICROBIOLOGY             | F22     |
| AM00316-01                                                                                          | PAULSON, JAMES C          | BIOCHEMISTRY             | F22     |
| AM04069-01                                                                                          | ROSE, MARY C              | CELL BIOLOGY             | F22     |
| HL02563-01                                                                                          | SCHMIDT, WILLIAM F, III   | PHYSIOLOGY               | F22     |
| HL02285-01                                                                                          | SNOW, THOMAS R            | BIOPHYSICS               | F22     |
| HL01881-01                                                                                          | STAFFA, NICKOLAS G, JR    | PHYSICS                  | F22     |
| HL02009-01                                                                                          | SWITZER, MARY E           | BIOCHEMISTRY             | F22     |
| EY01800-01                                                                                          | WINER, JEFFERY A          | PHYSIOLOGICAL PSYCHOLOGY | F22     |
| INSTITUTION TOTAL 17                                                                                |                           |                          |         |
| CITY TOTAL 17                                                                                       |                           |                          |         |
| <b>RALEIGH</b>                                                                                      |                           |                          |         |
| <b>UNIVERSITY OF NORTH CAROLINA SYSTEM--NORTH CAROLINA STATE UNIVERSITY AT RALEIGH</b>              |                           |                          |         |
| GM01834-01                                                                                          | SMITH, BRIAN R            | PHARMACOLOGY             | F22     |
| INSTITUTION TOTAL 1                                                                                 |                           |                          |         |
| CITY TOTAL 1                                                                                        |                           |                          |         |
| <b>RESEARCH TRIANGLE</b>                                                                            |                           |                          |         |
| <b>U.S. DEPARTMENT OF HEALTH, EDUCATION AND WELFARE--NIEHS ENVIRONMENTAL HEALTH SCIENCES CENTER</b> |                           |                          |         |
| ES02113-01                                                                                          | ANDARY, THOMAS J          | BIOCHEMISTRY             | F22     |
| ES01741-01                                                                                          | ELLIOTT, JOHN A           | BIOSCIENCES              | F22     |
| INSTITUTION TOTAL 2                                                                                 |                           |                          |         |
| CITY TOTAL 2                                                                                        |                           |                          |         |
| STATE TOTAL 38                                                                                      |                           |                          |         |
| <b>OHIO</b>                                                                                         |                           |                          |         |
| <b>CINCINNATI</b>                                                                                   |                           |                          |         |
| <b>UNIVERSITY OF CINCINNATI</b>                                                                     |                           |                          |         |
| HD03041-01                                                                                          | BALISTRERI, WILLIAM F     | SOCIOLOGY                | F22     |
| ES02231-01                                                                                          | BELL, REUBEN H            | CHEMISTRY                | F22     |
| AM03204-01                                                                                          | BOBO, ROBERT C            | PEDIATRICS               | F22     |
| ES02614-01                                                                                          | BORNSCHNEIN, ROBERT L, JR | PHARMACOLOGY             | F22     |

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RESEARCH FELLOWSHIP AWARDS

| APPLICATION NUMBER                   | FELLOW              | FIELD OF INTEREST          | PROGRAM |
|--------------------------------------|---------------------|----------------------------|---------|
| OHIC                                 |                     |                            |         |
| CINCINNATI                           |                     |                            |         |
| UNIVERSITY OF CINCINNATI             |                     |                            |         |
| ES02844-01                           | FOX, STANLEY H      | PHYSICS                    | F22     |
| ES01759-01                           | HASTINGS, LLOYD     | ABNORMAL PSYCHOLOGY        | F22     |
| ES02634-01                           | LEVINE, TINA E      | CHEMISTRY                  | F22     |
| GM02660-01                           | MANSON, JEANNE M    | ENVIRONMENTAL SCIENCES     | F22     |
| CA00719-01                           | RADER, JEANNE I     | PHARMACOLOGY               | F22     |
| HL04037-01                           | STRIFE, CYRIL F     | INTERNAL MEDICINE          | F22     |
| ES02253-01                           | TSAY, JIA-YEONG     | MATHEMATICS                | F22     |
| INSTITUTION TOTAL                    | 11                  |                            |         |
| CITY TOTAL                           | 11                  |                            |         |
| CLEVELAND                            |                     |                            |         |
| CASE WESTERN RESERVE UNIVERSITY      |                     |                            |         |
| TH02151-01                           | HANG, YI-SHIONG     | SURGERY                    | F05     |
| HL02783-01                           | MC MILLIN, CARL R   | HEALTH-RELATED ENGINEERING | F22     |
| EY03300-01                           | PLANTNER, JAMES J   | BIOCHEMISTRY               | F22     |
| EY04090-01                           | SLIGAR, CATHERINE M | ANATOMY                    | F22     |
| INSTITUTION TOTAL                    | 4                   |                            |         |
| CLEVELAND CLINIC HOSPITAL            |                     |                            |         |
| TH02208-01                           | MITAMURA, YOSHINORI | HEALTH-RELATED ENGINEERING | F05     |
| INSTITUTION TOTAL                    | 1                   |                            |         |
| CITY TOTAL                           | 5                   |                            |         |
| COLUMBUS                             |                     |                            |         |
| OHIO STATE UNIVERSITY                |                     |                            |         |
| CA00125-01                           | CUE, BERKELY W, JR  | CHEMISTRY                  | F22     |
| CA01701-01                           | MC NAMARA, DONALD J | PHARMACOLOGY               | F22     |
| EY01553-01                           | SHEEDY, JAMES E     | PHYSIOLOGICAL PSYCHOLOGY   | F22     |
| AI03022-01                           | TIGHT, ROBERT R     | INFECTIOUS DISEASES        | F22     |
| INSTITUTION TOTAL                    | 4                   |                            |         |
| CITY TOTAL                           | 4                   |                            |         |
| STATE TOTAL                          | 20                  |                            |         |
| OKLAHOMA                             |                     |                            |         |
| OKLAHOMA CITY                        |                     |                            |         |
| OKLAHOMA MEDICAL RESEARCH FOUNDATION |                     |                            |         |
| GM56099-01                           | LATIMER, STEVE B    | BIOCHEMISTRY               | F14     |

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RESEARCH FELLOWSHIP AWARDS

PROGRAM

FIELD OF INTEREST

APPLICATION NUMBER FELLOW

INSTITUTION TOTAL 1

OKLAHOMA  
OKLAHOMA CITY  
UNIVERSITY OF OKLAHOMA HEALTH SCIENCES CENTER  
HL02608-01 COMP, PHILIP C  
HL01017-01 MOSELEY, LLOYD W, JR

F22  
F22

BIOCHEMISTRY  
PHYSIOLOGY

INSTITUTION TOTAL 2  
CITY TOTAL 3

STATE TOTAL 3

OREGON  
CORVALLIS  
OREGON STATE HIGHER EDUCATION SYSTEM--OREGON STATE UNIVERSITY  
ES01656-01 CHEN, ROCKY W  
ES01119-01 HEDTKE, JAMES L  
HD57888-01 HOGSETT, WILLIAM E  
ES01776-01 STEVENS, DONALD L, JR

F22  
F22  
F02  
F22

BIOCHEMISTRY  
PHARMACOLOGY  
BIOLOGY  
MATHEMATICS

INSTITUTION TOTAL 4  
CITY TOTAL 4

EUGENE  
OREGON STATE HIGHER EDUCATION SYSTEM--UNIVERSITY OF OREGON  
GM57750-01 SKOLD, CARL N  
HD01661-01 TEITELBAUM, HARRY

F02  
F22

CHEMISTRY  
BIOLOGY

INSTITUTION TOTAL 2  
CITY TOTAL 2

PORTLAND  
OREGON STATE HIGHER EDUCATION SYSTEM--UNIVERSITY OF OREGON MEDICAL SCHOOL  
AM00337-01 RICE, ROBERT W

F22

NEUROENDOCRINOLOGY

INSTITUTION TOTAL 1  
CITY TOTAL 1

STATE TOTAL 7

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RESEARCH FELLOWSHIP AWARDS

| APPLICATION NUMBER                                                                | FELLOW               | FIELD OF INTEREST          | PROGRAM |
|-----------------------------------------------------------------------------------|----------------------|----------------------------|---------|
| PENNSYLVANIA<br>PHILADELPHIA<br>CHILDREN'S HOSPITAL OF PHILADELPHIA<br>HD00456-01 | KVIST, TAGE N        |                            | F22     |
| INSTITUTION TOTAL                                                                 | 1                    |                            |         |
| DREXEL UNIVERSITY<br>GM55960-01                                                   | BARAN, ERNEST M      | HEALTH-RELATED ENGINEERING | F03     |
| INSTITUTION TOTAL                                                                 | 1                    |                            |         |
| INSTITUTE FOR CANCER RESEARCH<br>HD00865-01                                       | / NEWROCK, KENNETH M | BIOCHEMISTRY               | F22     |
| INSTITUTION TOTAL                                                                 | 1                    |                            |         |
| TEMPLE UNIVERSITY<br>HL02685-01                                                   | ALGAZY, KENNETH M    | HEMATOLOGY                 | F22     |
| HD00412-01                                                                        | BRITTON, GARY W      | BIOCHEMISTRY               | F22     |
| HD00464-01                                                                        | BRITTON, VENERA J    | BIOCHEMISTRY               | F22     |
| TW02164-01                                                                        | DESAIVE, CLAUDE      | ANATOMY                    | F05     |
| AI00123-01                                                                        | LONG, SARAH S        | PEDIATRICS                 | F22     |
| AM01663-01                                                                        | LORDEN, JOAN F       | PHYSIOLOGICAL PSYCHOLOGY   | F22     |
| HD01107-01                                                                        | SCHANTZ, ILENE S     | PHYSIOLOGY                 | F22     |
| INSTITUTION TOTAL                                                                 | 7                    |                            |         |
| THOMAS JEFFERSON UNIVERSITY<br>HL00243-01                                         | MELTZER, MAE B       | MICROBIOLOGY               | F22     |
| INSTITUTION TOTAL                                                                 | 1                    |                            |         |
| UNIVERSITY OF PENNSYLVANIA<br>HD02087-01                                          | ANISKO, JOSEPH J     | PHYSIOLOGICAL PSYCHOLOGY   | F22     |
| HL02396-01                                                                        | BARLOW, CLYDE H      | BIOCHEMISTRY               | F22     |
| HL01653-01                                                                        | BLOCK, EDWARD R      | PHARMACOLOGY               | F22     |
| HL00934-01                                                                        | ELGART, EDWARD S     | CELL BIOLOGY               | F22     |
| EY00025-01                                                                        | FILTIPEK, MARY E     | OPHTHALMOLOGY              | F22     |
| EY01895-01                                                                        | KAPLAN, MICHAEL W    | BIOPHYSICS                 | F22     |
| HD02273-01                                                                        | KENNEY, NANCY J      | PHYSIOLOGICAL PSYCHOLOGY   | F22     |
| HL01392-01                                                                        | LEDERER, DANIEL H    | PATHOLOGY                  | F22     |
| AI02246-01                                                                        | LENTNEK, ARNOLD L    | INFECTIOUS DISEASES        | F22     |
| HL01839-01                                                                        | LEVIN, ROBERT M      | PHARMACOLOGY               | F22     |
| GM57521-01                                                                        | LUEKING, DONALD R    | MICROBIOLOGY               | F02     |

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RESEARCH FELLOWSHIP AWARDS

| APPLICATION NUMBER                | FELLOW                 | FIELD OF INTEREST          | PROGRAM |
|-----------------------------------|------------------------|----------------------------|---------|
| PENNYSYLVANIA                     |                        |                            |         |
| PHILADELPHIA                      |                        |                            |         |
| UNIVERSITY OF PENNSYLVANIA        |                        |                            |         |
| GM02068-01                        | MALTEMPO, MARTIN M     | CELL BIOLOGY               | F22     |
| GM05089-01                        | PADMORE, CUTHBERT L    | OBSTETRICS AND GYNECOLOGY  | F14     |
| HL01295-01                        | ROSEMAN, JAMES M       | SURGERY                    | F22     |
| HD00889-01                        | ROTH, KARL S           | PEDIATRICS                 | F22     |
| HL03335-01                        | SHARROCK, MICHAEL P    | BIOPHYSICS                 | F22     |
| AM02762-01                        | SMITH, PAUL D          | BIOCHEMISTRY               | F22     |
| HL58421-01                        | SOMA, LAWRENCE R       | PHYSIOLOGY                 | F03     |
| EY00361-01                        | SPENCER, ROBERT F      | ANATOMY                    | F22     |
| EY02697-01                        | STEVENS, JOHN K        | PHYSIOLOGY                 | F22     |
| HL04040-01                        | STROEVE, PIETER        | PHYSIOLOGY                 | F22     |
| INSTITUTION TOTAL                 |                        |                            | 21      |
| CITY TOTAL                        |                        |                            | 32      |
| PITTSBURGH                        |                        |                            |         |
| CHILDREN'S HOSPITAL OF PITTSBURGH |                        |                            |         |
| GM03004-01                        | JARGIELLO, PATRICIA    | GENETICS                   | F22     |
| INSTITUTION TOTAL                 |                        |                            | 1       |
| UNIVERSITY OF PITTSBURGH          |                        |                            |         |
| AM57170-01                        | BUCKINGHAM, ROBERT B   | CONNECTIVE TISSUE DISEASES | F03     |
| HD00763-01                        | DAVIS, BRIDGETT K      | PATHOLOGY                  | F22     |
| AM01255-01                        | FRLEY, DONALD S, JR    | RENAL DISEASES             | F22     |
| HDC0430-01                        | HESS, DAVID L          | PHYSIOLOGY                 | F22     |
| HL03005-01                        | JOHNSON, MICHAEL E     | BIOPHYSICS                 | F22     |
| AI00755-01                        | RIVERA-ORTIZ, CARMEN I | MICROBIOLOGY               | F22     |
| AM03339-01                        | SHERWIN, JOSEPH R      | PHYSIOLOGY                 | F22     |
| INSTITUTION TOTAL                 |                        |                            | 7       |
| CITY TOTAL                        |                        |                            | 8       |
| STATE TOTAL                       |                        |                            | 40      |
| RHODE ISLAND                      |                        |                            |         |
| PROVIDENCE                        |                        |                            |         |
| BROWN UNIVERSITY                  |                        |                            |         |
| HD01178-01                        | COWETT, RICHARD M      | PEDIATRICS                 | F22     |
| AM02813-01                        | SHEPHERD, RAYMOND E    | BIOCHEMISTRY               | F22     |
| INSTITUTION TOTAL                 |                        |                            | 2       |
| CITY TOTAL                        |                        |                            | 2       |

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RESEARCH FELLOWSHIP AWARDS

| APPLICATION NUMBER                                                   | FELLOW                     | FIELD OF INTEREST      | PROGRAM |
|----------------------------------------------------------------------|----------------------------|------------------------|---------|
| STATE TOTAL                                                          | 2                          |                        |         |
| TENNESSEE                                                            |                            |                        |         |
| KNOXVILLE                                                            |                            |                        |         |
| UNIVERSITY OF TENNESSEE SYSTEM--UNIVERSITY OF TENNESSEE AT KNOXVILLE |                            |                        |         |
| GM00442-01                                                           | O'NEILL, JAMES P           | GENETICS               | F22     |
| HD00436-01                                                           | SENIOR, MARILYN B          | GROWTH AND DEVELOPMENT | F22     |
| INSTITUTION TOTAL                                                    | 2                          |                        |         |
| CITY TOTAL                                                           | 2                          |                        |         |
| NASHVILLE                                                            |                            |                        |         |
| MEHARRY MEDICAL COLLEGE                                              |                            |                        |         |
| GM05065-01                                                           | ALEXANDER, CAROLYN Y       | MICROBIOLOGY           | F14     |
| GM56093-01                                                           | WELLS, ALEXANDER C         | PHARMACOLOGY           | F14     |
| INSTITUTION TOTAL                                                    | 2                          |                        |         |
| VANDERBILT UNIVERSITY                                                |                            |                        |         |
| TW02161-01                                                           | ASSIMACPOULOS, FRANCOISE D | ENDOCRINOLOGY          | F05     |
| AM00427-01                                                           | BORUM, PEGGY L             | BIOCHEMISTRY           | F22     |
| GM01411-01                                                           | HUNTER, ANDREA L           | PHARMACOLOGY           | F22     |
| GM05072-01                                                           | STEPHENS, JOHN E           | CHEMISTRY              | F14     |
| INSTITUTION TOTAL                                                    | 4                          |                        |         |
| CITY TOTAL                                                           | 6                          |                        |         |
| OAK RIDGE                                                            |                            |                        |         |
| OAK RIDGE ASSOCIATED UNIVERSITIES                                    |                            |                        |         |
| HD02872-01                                                           | EDWARDS, KIAH, III         | ABNORMAL PSYCHOLOGY    | F22     |
| HD03350-01                                                           | SMITH, CLAYTON F           | AGING PROCESS          | F22     |
| INSTITUTION TOTAL                                                    | 2                          |                        |         |
| CITY TOTAL                                                           | 2                          |                        |         |
| STATE TOTAL                                                          | 10                         |                        |         |
| TEXAS                                                                |                            |                        |         |
| AUSTIN                                                               |                            |                        |         |
| UNIVERSITY OF TEXAS SYSTEM--UNIVERSITY OF TEXAS AT AUSTIN            |                            |                        |         |
| HD02045-01                                                           | LACY, LAURA J              | CELL BIOLOGY           | F22     |

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RESEARCH FELLOWSHIP AWARDS

| APPLICATION NUMBER                                                                                | FELLOW                | FIELD OF INTEREST          | PROGRAM |
|---------------------------------------------------------------------------------------------------|-----------------------|----------------------------|---------|
| TEXAS                                                                                             |                       |                            |         |
| AUSTIN                                                                                            |                       |                            |         |
| UNIVERSITY OF TEXAS SYSTEM--UNIVERSITY OF TEXAS AT AUSTIN                                         |                       |                            |         |
| EY00230-01                                                                                        | WANG, RICHARD T       | PHYSIOLOGY                 | F22     |
| INSTITUTION TOTAL 2                                                                               |                       |                            |         |
| CITY TOTAL 2                                                                                      |                       |                            |         |
| COLLEGE STATION                                                                                   |                       |                            |         |
| TEXAS AGRICULTURAL AND MECHANICAL UNIVERSITY SYSTEM--TEXAS AGRICULTURAL AND MECHANICAL UNIVERSITY |                       |                            |         |
| CA01616-01                                                                                        | GILLEN, ROBERT G      | CHEMISTRY                  | F22     |
| INSTITUTION TOTAL 1                                                                               |                       |                            |         |
| CITY TOTAL 1                                                                                      |                       |                            |         |
| DALLAS                                                                                            |                       |                            |         |
| UNIVERSITY OF TEXAS SYSTEM--UNIVERSITY OF TEXAS HEALTH SCIENCE CENTER AT DALLAS                   |                       |                            |         |
| HD01932-01                                                                                        | AIMAN, E JAMES        | ENDOCRINOLOGY              | F22     |
| AI01437-01                                                                                        | BASS, DAVID A         | INFECTIOUS DISEASES        | F22     |
| HD02023-01                                                                                        | GRIFFIN, JAMES E, III | ENDOCRINOLOGY              | F22     |
| AI00600-01                                                                                        | NELSON, EDWARD T      | MICROBIOLOGY               | F22     |
| AM01394-01                                                                                        | PENNEBAKER, JAMES B   | CONNECTIVE TISSUE DISEASES | F22     |
| AM01449-01                                                                                        | SHERRILL, BETTE C     | BIOPHYSICS                 | F22     |
| HL00643-01                                                                                        | WARD, PATRICK E       | BIOCHEMISTRY               | F22     |
| HD01694-01                                                                                        | WORLEY, RICHARD J     | PHYSIOLOGY                 | F22     |
| INSTITUTION TOTAL 8                                                                               |                       |                            |         |
| CITY TOTAL 8                                                                                      |                       |                            |         |
| GALVESTON                                                                                         |                       |                            |         |
| UNIVERSITY OF TEXAS SYSTEM--UNIVERSITY OF TEXAS MEDICAL BRANCH AT GALVESTON                       |                       |                            |         |
| HL03418-01                                                                                        | SAUM, WILLIAM R       | PHARMACOLOGY               | F22     |
| INSTITUTION TOTAL 1                                                                               |                       |                            |         |
| CITY TOTAL 1                                                                                      |                       |                            |         |
| HOUSTON                                                                                           |                       |                            |         |
| BAYLOR COLLEGE OF MEDICINE                                                                        |                       |                            |         |
| TW02160-01                                                                                        | ANMER, BEATRICE M     | PHARMACOLOGY               | F05     |
| GM00188-01                                                                                        | ASTRIN, KENNETH H     | GENETICS                   | F22     |
| AI00847-01                                                                                        | CABRAL, GUY A         | MICROBIOLOGY               | F22     |

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RESEARCH FELLOWSHIP AWARDS

| APPLICATION NUMBER                                                                   | FELLOW                | FIELD OF INTEREST | PROGRAM |
|--------------------------------------------------------------------------------------|-----------------------|-------------------|---------|
| TEXAS                                                                                |                       |                   |         |
| HOUSTON                                                                              |                       |                   |         |
| BAYLOR COLLEGE OF MEDICINE                                                           |                       |                   |         |
| H001925-01                                                                           | DEDMAN, JOHN R        | PHYSIOLOGY        | F22     |
| HL02142-01                                                                           | FAKUNDING, JOHN L     | BIOCHEMISTRY      | F22     |
| H001459-01                                                                           | HARDIN, JAMES W       | BIOLOGY           | F22     |
| H002118-01                                                                           | KELLER, RONALD K      | CELL BIOLOGY      | F22     |
| H001860-01                                                                           | KUHN, ROBERT W        | PHYSIOLOGY        | F22     |
| HL02102-01                                                                           | LANE, LOIS K          | BIOCHEMISTRY      | F22     |
| HL02244-01                                                                           | BITTER, MARCELLA A    | BIOLOGY           | F22     |
| GM01350-01                                                                           | SAWYER, THOMAS H      | GENETICS          | F22     |
| H002151-01                                                                           | SCHWARTZ, ROBERT J    | BIOCHEMISTRY      | F22     |
| H001844-01                                                                           | TINDALL, DONALD J     | CELL BIOLOGY      | F22     |
| INSTITUTION TOTAL 13                                                                 |                       |                   |         |
| RICE UNIVERSITY                                                                      |                       |                   |         |
| HL02052-01                                                                           | BABCOCK, GERALD T     | BIOPHYSICS        | F22     |
| GM56098-01                                                                           | FENNELL, PEARLIE M    | BIOCHEMISTRY      | F14     |
| INSTITUTION TOTAL 2                                                                  |                       |                   |         |
| UNIVERSITY OF TEXAS SYSTEM--UNIVERSITY OF TEXAS HEALTH SCIENCE CENTER AT HOUSTON     |                       |                   |         |
| H002224-01                                                                           | PAXSON, CHARLES L, JR | PEDIATRICS        | F22     |
| HL01803-01                                                                           | PETERSON, DCLORES M   | BIOCHEMISTRY      | F22     |
| GM00833-01                                                                           | STEWART, JOHN J       | PHARMACOLOGY      | F22     |
| TW02199-01                                                                           | YEN, FANNY I          | GENETICS          | F05     |
| INSTITUTION TOTAL 4                                                                  |                       |                   |         |
| UNIVERSITY OF TEXAS SYSTEM--UNIVERSITY OF TEXAS SYSTEM CANCER CENTER                 |                       |                   |         |
| TW02172-01                                                                           | CROSSEN, PETER E      | GENETICS          | F05     |
| INSTITUTION TOTAL 1                                                                  |                       |                   |         |
| CITY TOTAL 20                                                                        |                       |                   |         |
| SAN ANTONIO                                                                          |                       |                   |         |
| UNIVERSITY OF TEXAS SYSTEM--UNIVERSITY OF TEXAS HEALTH SCIENCE CENTER AT SAN ANTONIO |                       |                   |         |
| AM01986-01                                                                           | MELCHIOR, GEORGE W    | PATHOLOGY         | F22     |
| INSTITUTION TOTAL 1                                                                  |                       |                   |         |
| CITY TOTAL 1                                                                         |                       |                   |         |
| STATE TOTAL 33                                                                       |                       |                   |         |

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RESEARCH FELLOWSHIP AWARDS

| APPLICATION NUMBER                                     | FELLOW                  | FIELD OF INTEREST          | PROGRAM |
|--------------------------------------------------------|-------------------------|----------------------------|---------|
| <b>UTAH</b>                                            |                         |                            |         |
| SALT LAKE CITY                                         |                         |                            |         |
| UTAH STATE HIGHER EDUCATION SYSTEM--UNIVERSITY OF UTAH |                         |                            |         |
| AM02361-01                                             | ALDRIDGE, KENNETH E     | MICROBIOLOGY               | F22     |
| HD01478-01                                             | BOOK, LINDA S           | PEDIATRICS                 | F22     |
| TW02178-01                                             | GOMEZ-EICHELHANN, MARIA | CELL BIOLOGY               | F05     |
| TW02188-01                                             | MONTI-BLOCH, LUIS       | PHYSIOLOGY                 | F05     |
| AM00731-01                                             | TORRES, ANTHONY R       | CARDIOVASCULAR DISEASES    | F22     |
| INSTITUTION TOTAL 5                                    |                         |                            |         |
| CITY TOTAL 5                                           |                         |                            |         |
| STATE TOTAL 5                                          |                         |                            |         |
| <b>VIRGINIA</b>                                        |                         |                            |         |
| CHARLOTTESVILLE                                        |                         |                            |         |
| UNIVERSITY OF VIRGINIA                                 |                         |                            |         |
| AM00184-01                                             | GOLD, EDWARD W          | BIOCHEMISTRY               | F22     |
| ES02578-01                                             | HUGHES, JOHN A          | PHARMACOLOGY               | F22     |
| HL01320-01                                             | TERASAKI, WESLEY L      | BIOCHEMISTRY               | F22     |
| INSTITUTION TOTAL 3                                    |                         |                            |         |
| CITY TOTAL 3                                           |                         |                            |         |
| STATE TOTAL 3                                          |                         |                            |         |
| <b>WASHINGTON</b>                                      |                         |                            |         |
| SEATTLE                                                |                         |                            |         |
| UNIVERSITY OF WASHINGTON                               |                         |                            |         |
| GM04041-01                                             | DAVIDSON, JEFFREY M     | ANATOMY                    | F22     |
| EY01523-01                                             | DOBSON, MARGARET V      | PHYSIOLOGICAL PSYCHOLOGY   | F22     |
| HD01677-01                                             | EASTON, DOUGLAS P       | BIOLOGY                    | F22     |
| HD02329-01                                             | EDELHANN, PATRICIA L    | GENETICS                   | F22     |
| GM58026-01                                             | GIBBS, DANIEL           | BIOLOGY                    | F02     |
| HD00507-01                                             | HARKINS, STEPHEN W      | DEVELOPMENTAL PSYCHOLOGY   | F22     |
| AM00237-01                                             | KOOPMAN, JAMES S        | EPIDEMIOLOGY               | F22     |
| HL00170-01                                             | KRUEGER, JOHN W         | HEALTH-RELATED ENGINEERING | F22     |
| GM01575-01                                             | LEARY, NAN-CHI E        | BIOCHEMISTRY               | F22     |
| GM00657-01                                             | LOWRY, JAMES D          | PHARMACOLOGY               | F22     |
| HD02765-01                                             | MARTINEZ, ANDREW.O      | OPHTHALMOLOGY              | F22     |
| HD00091-01                                             | MC LEAN, KIRK W         | BIOCHEMISTRY               | F22     |
| HD00193-01                                             | MOORE, DAN C            | PEDIATRICS                 | F22     |
| AM01074-01                                             | NARDELLA, FRANCIS A     | CONNECTIVE TISSUE DISEASES | F22     |

NTH  
RESEARCH FELLOWSHIP AWARDS

| APPLICATION NUMBER                                              | FELLOW                 | FIELD OF INTEREST          | PROGRAM |
|-----------------------------------------------------------------|------------------------|----------------------------|---------|
| WASHINGTON                                                      |                        |                            |         |
| SEATTLE                                                         |                        |                            |         |
| UNIVERSITY OF WASHINGTON                                        |                        |                            |         |
| HL01007-01                                                      | NIST, CYNTHIA A        | CELL BIOLOGY               | F22     |
| GM01218-01                                                      | OCHS, UTE H            | GENETICS                   | F22     |
| HD03286-01                                                      | OLLER, DAVID K         | GENERAL PSYCHOLOGY         | F22     |
| EY04085-01                                                      | PEEPLES, DAVID R       | GENERAL PSYCHOLOGY         | F22     |
| HL01891-01                                                      | POWERS, WALTER E       | PHYSICS                    | F22     |
| HD02389-01                                                      | PRUEITT, JOHN L, JR    | PEDIATRICS                 | F22     |
| AM03433-01                                                      | SMITH, PHILLIP H       | ANATOMY                    | F22     |
| AM00515-01                                                      | SOLOMON, LAWRENCE R    | HEMATOLOGY                 | F22     |
| HL03207-01                                                      | VON BEHRENS, WIELAND E | HEALTH-RELATED ENGINEERING | F22     |
| HD01990-01                                                      | YOUNT, JOHN E          | PEDIATRICS                 | F22     |
| INSTITUTION TOTAL 24                                            |                        |                            |         |
| CITY TOTAL 24                                                   |                        |                            |         |
| STATE TOTAL 24                                                  |                        |                            |         |
| WISCONSIN                                                       |                        |                            |         |
| MADISON                                                         |                        |                            |         |
| UNIVERSITY OF WISCONSIN SYSTEM--UNIVERSITY OF WISCONSIN-MADISON |                        |                            |         |
| TM02126-01                                                      | ALEKSANDROWICZ, ZENON  | BIOCHEMISTRY               | F05     |
| HL03167-01                                                      | BALLANTYNE, FORD, III  | CARDIOVASCULAR DISEASES    | F22     |
| HD01816-01                                                      | CLARK, JAMES R         | PHYSIOLOGY                 | F22     |
| HD01899-01                                                      | COHEN, MARK E          | GENERAL PSYCHOLOGY         | F22     |
| HL00856-01                                                      | ESMON, CHARLES T       | BIOCHEMISTRY               | F22     |
| CA58234-01                                                      | GOLDMAN, THEODORE D    | CHEMISTRY                  | F02     |
| GM02623-01                                                      | HENZLER, THOMAS E      | CHEMISTRY                  | F22     |
| EY02401-01                                                      | KAPLAN, SHELDON J      | OPHTHALMOLOGY              | F22     |
| AT00323-01                                                      | KEM, OLEN M            | MICROBIOLOGY               | F22     |
| TM02217-01                                                      | KIURU, AARO J          | RADIOLOGY                  | F05     |
| HD00697-01                                                      | LANDAHL, CAROL A       | BIOLOGY                    | F22     |
| EY01390-01                                                      | MARCH, WAYNE F         | OPHTHALMOLOGY              | F22     |
| HD03404-01                                                      | MAURER, RICHARD A      | BIOCHEMISTRY               | F22     |
| EY04083-01                                                      | MORRISEY, JERRY L      | PHYSIOLOGY                 | F22     |
| EY00671-01                                                      | OVERDOORFER, MICHAEL D | ANATOMY                    | F22     |
| TM02137-01                                                      | PEDERSEN, JAN I        | BIOCHEMISTRY               | F05     |
| HL02340-01                                                      | RHEE, HEE M            | PHARMACOLOGY               | F22     |
| AM00874-01                                                      | SCHUSTER, SHELDON M    | BIOCHEMISTRY               | F22     |
| TM02141-01                                                      | STENFLO, JOHAN         | BIOCHEMISTRY               | F05     |
| INSTITUTION TOTAL 19                                            |                        |                            |         |
| CITY TOTAL 19                                                   |                        |                            |         |

NIH  
RESEARCH FELLOWSHIP AWARDS

| APPLICATION NUMBER                                                                  | FELLOW                            | FIELD OF INTEREST                      | PROGRAM    |
|-------------------------------------------------------------------------------------|-----------------------------------|----------------------------------------|------------|
| WISCONSIN<br>MILWAUKEE<br>MEDICAL COLLEGE OF WISCONSIN<br>HL00115-01                | QUEBBEMAN, EDWARD J               | PHYSIOLOGY                             | F22        |
| INSTITUTION TOTAL                                                                   | 1                                 |                                        |            |
| MILWAUKEE BLCOD CENTER<br>HL01354-01                                                | KOETHE, SUSAN                     | MICROBIOLOGY                           | F22        |
| INSTITUTION TOTAL                                                                   | 1                                 |                                        |            |
| CITY TOTAL                                                                          | 2                                 |                                        |            |
| STATE TOTAL                                                                         | 21                                |                                        |            |
| AUSTRALIA<br>CANBERRA<br>AUSTRALIAN NATIONAL UNIVERSITY<br>EY02443-01<br>EY02013-01 | ROWE, MICHAEL H<br>WILSON, PAUL D | PHYSIOLOGICAL PSYCHOLOGY<br>PHYSIOLOGY | F22<br>F22 |
| INSTITUTION TOTAL                                                                   | 2                                 |                                        |            |
| CITY TOTAL                                                                          | 2                                 |                                        |            |
| STATE TOTAL                                                                         | 2                                 |                                        |            |
| CANADA<br>EDMONTON<br>UNIVERSITY OF ALBERTA<br>A101088-01                           | LOVCHIK, JUDITH C                 | MICROBIOLOGY                           | F22        |
| INSTITUTION TOTAL                                                                   | 1                                 |                                        |            |
| CITY TOTAL                                                                          | 1                                 |                                        |            |
| MONTREAL<br>MCGILL UNIVERSITY<br>HD00099-01                                         | CHESNEY, RUSSELL W                | RENAL DISEASES                         | F22        |
| INSTITUTION TOTAL                                                                   | 1                                 |                                        |            |
| CITY TOTAL                                                                          | 1                                 |                                        |            |

NIH  
RESEARCH FELLOWSHIP AWARDS

| APPLICATION NUMBER                                                        | FELLOW              | FIELD OF INTEREST | PROGRAM |
|---------------------------------------------------------------------------|---------------------|-------------------|---------|
| CANADA                                                                    |                     |                   |         |
| VANCOUVER                                                                 |                     |                   |         |
| UNIVERSITY OF BRITISH COLUMBIA                                            |                     |                   |         |
| HL00298-01                                                                | BLUMBERG, JEFFREY B | PHARMACOLOGY      | F22     |
| INSTITUTION TOTAL                                                         | 1                   |                   |         |
| CITY TOTAL                                                                | 1                   |                   |         |
| STATE TOTAL                                                               | 3                   |                   |         |
| COLOMBIA                                                                  |                     |                   |         |
| CALI                                                                      |                     |                   |         |
| TULANE UNIVERSITY--INTERNATIONAL CENTER FOR MEDICAL RESEARCH AND TRAINING |                     |                   |         |
| HD02552-01                                                                | CORDELL, JOHN C     | ECOLOGY           | F22     |
| INSTITUTION TOTAL                                                         | 1                   |                   |         |
| CITY TOTAL                                                                | 1                   |                   |         |
| STATE TOTAL                                                               | 1                   |                   |         |
| FRANCE                                                                    |                     |                   |         |
| GRENOBLE                                                                  |                     |                   |         |
| UNIVERSITY OF GRENOBLE I                                                  |                     |                   |         |
| HD01857-01                                                                | GOETINCK, PAUL F    | BIOLOGY           | F22     |
| INSTITUTION TOTAL                                                         | 1                   |                   |         |
| CITY TOTAL                                                                | 1                   |                   |         |
| STATE TOTAL                                                               | 1                   |                   |         |
| ISRAEL                                                                    |                     |                   |         |
| REHOVOTH                                                                  |                     |                   |         |
| WEIZMANN INSTITUTE OF SCIENCE                                             |                     |                   |         |
| GM58037-01                                                                | BIRNBOIM, MEYER H   | BIOPHYSICS        | F03     |
| INSTITUTION TOTAL                                                         | 1                   |                   |         |
| CITY TOTAL                                                                | 1                   |                   |         |
| STATE TOTAL                                                               | 1                   |                   |         |
| SWITZERLAND                                                               |                     |                   |         |
| GENEVA                                                                    |                     |                   |         |
| UNIVERSITY OF GENEVA                                                      |                     |                   |         |
| AT02248-01                                                                | SILVER, LYNN L      | MICROBIOLOGY      | F22     |

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RESEARCH FELLOWSHIP AWARDS

| APPLICATION NUMBER                                | FELLOW              | FIELD OF INTEREST | PROGRAM |
|---------------------------------------------------|---------------------|-------------------|---------|
| INSTITUTION TOTAL                                 | 1                   |                   |         |
| CITY TOTAL                                        | 1                   |                   |         |
| STATE TOTAL                                       | 1                   |                   |         |
| UNITED KINGDOM                                    |                     |                   |         |
| CAMBRIDGE                                         |                     |                   |         |
| MEDICAL RESEARCH COUNCIL--APPLIED PSYCHOLOGY UNIT |                     |                   |         |
| HL00278-01                                        | LADNER, ROBERT C    | BIOPHYSICS        | F22     |
| INSTITUTION TOTAL                                 | 1                   |                   |         |
| UNIVERSITY OF CAMBRIDGE                           |                     |                   |         |
| EY00234-01                                        | SIMON, ELLIOTT J    | PHYSIOLOGY        | F22     |
| INSTITUTION TOTAL                                 | 1                   |                   |         |
| CITY TOTAL                                        | 2                   |                   |         |
| LONDON                                            |                     |                   |         |
| UNIVERSITY OF LONDON                              |                     |                   |         |
| AI00512-01                                        | SCHENDEL, DOLORES J | MICROBIOLOGY      | F22     |
| INSTITUTION TOTAL                                 | 1                   |                   |         |
| CITY TOTAL                                        | 1                   |                   |         |
| OXFORD                                            |                     |                   |         |
| UNITED OXFORD HOSPITALS                           |                     |                   |         |
| HL04022-01                                        | ROBINSON, JAMES L   | PHYSIOLOGY        | F22     |
| INSTITUTION TOTAL                                 | 1                   |                   |         |
| CITY TOTAL                                        | 1                   |                   |         |
| STATE TOTAL                                       | 4                   |                   |         |
| TOTAL                                             | 809                 |                   |         |

NIH  
RESEARCH CAREER PROGRAM AWARDS

| GRANT NUMBER                                                                                              | AWARDEE             | AREA OF TRAINING                                         | PROGRAM |
|-----------------------------------------------------------------------------------------------------------|---------------------|----------------------------------------------------------|---------|
| CALIFORNIA<br>LA JOLLA<br>SCRIPPS CLINIC AND RESEARCH FOUNDATION<br>CAT0841-01                            | KOLB, WILLIAM P     | CANCER CELL DESTRUCTION BY LYMPHOTOXIN OR COMPLEMENT     | K04     |
| INSTITUTION TOTAL                                                                                         | 1                   |                                                          |         |
| UNIVERSITY OF CALIFORNIA SYSTEM--UNIVERSITY OF CALIFORNIA AT SAN DIEGO<br>CAT0891-01                      | MENDELSCHN, JOHN    | CONTROL OF IMMUNE AND MALIGNANT LYMPHOCYTE GROWTH        | K04     |
| INSTITUTION TOTAL                                                                                         | 1                   |                                                          |         |
| CITY TOTAL                                                                                                | 2                   |                                                          |         |
| LOS ANGELES<br>CHILDREN'S HOSPITAL OF LOS ANGELES<br>CAT0996-01                                           | BENEDICT, WILLIAM F | CYTOGENETICS OF HUMAN CANCER AND CHEMICAL TRANSFORMATION | K04     |
| INSTITUTION TOTAL                                                                                         | 1                   |                                                          |         |
| UNIVERSITY OF CALIFORNIA SYSTEM--UNIVERSITY OF CALIFORNIA AT LOS ANGELES<br>CAT0970-01                    | GOLUB, SIDNEY H     | IN VITRO LYMPHOCYTE SENSITIZATION TO TUMOR ANTIGENS      | K04     |
| INSTITUTION TOTAL                                                                                         | 1                   |                                                          |         |
| CITY TOTAL                                                                                                | 2                   |                                                          |         |
| SAN FRANCISCO<br>UNIVERSITY OF CALIFORNIA SYSTEM--UNIVERSITY OF CALIFORNIA AT SAN FRANCISCO<br>CAT0990-01 | LEVY, JAY A         | ROLE OF C-TYPE VIRUS IN AUTOIMMUNE DISEASE AND CANCER    | K04     |
| INSTITUTION TOTAL                                                                                         | 1                   |                                                          |         |
| CITY TOTAL                                                                                                | 1                   |                                                          |         |
| STANFORD<br>STANFORD UNIVERSITY<br>CAT1005-01                                                             | FRIEDBERG, ERROL C  | DNA REPAIR MECHANISMS AND DNA-PROTEIN INTERACTION        | K04     |
| INSTITUTION TOTAL                                                                                         | 1                   |                                                          |         |
| CITY TOTAL                                                                                                | 1                   |                                                          |         |
| STATE TOTAL                                                                                               | 6                   |                                                          |         |

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RESEARCH CAREER PROGRAM AWARDS

| GRANT NUMBER                                               | AWARDEE             | AREA OF TRAINING                                  | PROGRAM |
|------------------------------------------------------------|---------------------|---------------------------------------------------|---------|
| CONNECTICUT<br>NEW HAVEN<br>YALE UNIVERSITY<br>CA70982-01  | MITCHELL, MALCOLM S | CHEMOTHERAPY AND TUMOR IMMUNOLOGY                 | K04     |
| INSTITUTION TOTAL                                          | 1                   |                                                   |         |
| CITY TOTAL                                                 | -1                  |                                                   |         |
| STATE TOTAL                                                | 1                   |                                                   |         |
| ILLINOIS<br>CHICAGO<br>UNIVERSITY OF CHICAGO<br>EY70652-01 | POKORNY, JOEL M     | AN ANALYSIS OF NORMAL AND DEFECTIVE COLOR VISION  | K04     |
| INSTITUTION TOTAL                                          | 1                   |                                                   |         |
| CITY TOTAL                                                 | 1                   |                                                   |         |
| EVANSTON<br>NORTHWESTERN UNIVERSITY<br>EY70887-01          | KERTESZ, ANDREW E   | INVESTIGATION OF HUMAN FUSIONAL RESPONSE          | K04     |
| INSTITUTION TOTAL                                          | 1                   |                                                   |         |
| CITY TOTAL                                                 | 1                   |                                                   |         |
| STATE TOTAL                                                | 2                   |                                                   |         |
| IOWA<br>IOWA CITY<br>UNIVERSITY OF IOWA<br>CA70802-01      | GRANNER, DARYL K    | CONTROL MECHANISMS IN CULTURED MAMMALIAN CELLS    | K04     |
| INSTITUTION TOTAL                                          | 1                   |                                                   |         |
| CITY TOTAL                                                 | 1                   |                                                   |         |
| STATE TOTAL                                                | 1                   |                                                   |         |
| MASSACHUSETTS<br>BOSTON<br>BOSTON UNIVERSITY<br>CA70879-01 | BENNETT, MICHAEL    | IMMUNOBIOLOGY OF VIRAL LEUKEMIA AND ITS TREATMENT | K04     |
| INSTITUTION TOTAL                                          | 1                   |                                                   |         |

NIH  
RESEARCH CAREER PROGRAM AWARDS

| GRANT NUMBER                                                                 | AWARDEE             | AREA OF TRAINING                                      | PROGRAM |
|------------------------------------------------------------------------------|---------------------|-------------------------------------------------------|---------|
| MASSACHUSETTS<br>BOSTON<br>CHILDREN'S HOSPITAL MEDICAL CENTER<br>EY70871-01  | LA VAIL, MATTHEW M  | CELLULAR MECHANISMS OF INHERITED RETINAL DEGENERATION | K04     |
| INSTITUTION TOTAL                                                            | 1                   |                                                       |         |
| HARVARD UNIVERSITY<br>EY70985-01                                             | STUART, ANN E       | NEURAL MECHANISMS IN PROCESSING VISUAL INFORMATION    | K04     |
| INSTITUTION TOTAL                                                            | 1                   |                                                       |         |
| CITY TOTAL                                                                   | 3                   |                                                       |         |
| STATE TOTAL                                                                  | 3                   |                                                       |         |
| MICHIGAN<br>DETROIT<br>WAYNE STATE UNIVERSITY<br>CA70999-01                  | GORELIC, LESTER S   | RADIATION-INDUCED CARCINOGENESIS; MRNA TURNOVER       | K04     |
| INSTITUTION TOTAL                                                            | 1                   |                                                       |         |
| CITY TOTAL                                                                   | 1                   |                                                       |         |
| STATE TOTAL                                                                  | 1                   |                                                       |         |
| NEW MEXICO<br>ALBUQUERQUE<br>UNIVERSITY OF NEW MEXICO<br>CA70939-01          | VANDERJAGT, DAVID L | ROLE OF GLYOXALASE AND GLUTATHIONE IN CARCINOGENESIS  | K04     |
| INSTITUTION TOTAL                                                            | 1                   |                                                       |         |
| CITY TOTAL                                                                   | 1                   |                                                       |         |
| STATE TOTAL                                                                  | 1                   |                                                       |         |
| NEW YORK<br>BUFFALO<br>STATE UNIVERSITY OF NEW YORK AT BUFFALO<br>AI70747-01 | APICELLA, MICHAEL A | NEISSERIAL ANTIGENS                                   | K04     |
| INSTITUTION TOTAL                                                            | 1                   |                                                       |         |
| CITY TOTAL                                                                   | 1                   |                                                       |         |

NIH  
RESEARCH CAREER PROGRAM AWARDS

| GRANT NUMBER                                                                                            | AWARDEE            | AREA OF TRAINING                         | PROGRAM |
|---------------------------------------------------------------------------------------------------------|--------------------|------------------------------------------|---------|
| NEW YORK<br>NEW YORK<br>CITY UNIVERSITY OF NEW YORK--MOUNT SINAI SCHOOL OF MEDICINE<br>EY70959-01       | MINDEL, JOEL S     | CHOLINERGIC SYSTEM OF THE EYE            | K04     |
| INSTITUTION TOTAL                                                                                       | 1                  |                                          |         |
| CORNELL UNIVERSITY MEDICAL COLLEGE<br>CA32102-01A1                                                      | WEKSLER, MARC E    | LYMPHOBLAST-ASSOCIATED ANTIGENS          | K04     |
| INSTITUTION TOTAL                                                                                       | 1                  |                                          |         |
| ROCKEFELLER UNIVERSITY<br>CA70992-01                                                                    | GOLDBERG, ALLAN R  | RSV FUNCTIONS INVOLVED IN TRANSFORMATION | K04     |
| INSTITUTION TOTAL                                                                                       | 1                  |                                          |         |
| CITY TOTAL                                                                                              | 3                  |                                          |         |
| TROY<br>RENSSELAER POLYTECHNIC INSTITUTE<br>AM00048-01                                                  | KRAUSE, SONJA      | ELECTRO-OPTIC STUDIES OF BIOPOLYMERS     | K04     |
| INSTITUTION TOTAL                                                                                       | 1                  |                                          |         |
| CITY TOTAL                                                                                              | 1                  |                                          |         |
| STATE TOTAL                                                                                             | 5                  |                                          |         |
| NORTH CAROLINA<br>DURHAM<br>DUKE UNIVERSITY<br>CA70876-01                                               | LEIS, JONATHAN P   | MECHANISM OF RNA TUMOR VIRUS REPLICATION | K04     |
| INSTITUTION TOTAL                                                                                       | 1                  |                                          |         |
| CITY TOTAL                                                                                              | 1                  |                                          |         |
| STATE TOTAL                                                                                             | 1                  |                                          |         |
| PENNSYLVANIA<br>HERSHEY<br>PENNSYLVANIA STATE UNIVERSITY MILTON S. HERSHEY MEDICAL CENTER<br>CA70948-01 | BARTLETT, GERALD L | ANTIGENIC STRENGTH OF NONVIRAL TUMORS    | K04     |
| INSTITUTION TOTAL                                                                                       | 1                  |                                          |         |
| CITY TOTAL                                                                                              | 1                  |                                          |         |

NIH  
RESEARCH CAREER PROGRAM AWARDS

| GRANT NUMBER                                                                       | AWARDEE              | AREA OF TRAINING                                 | PROGRAM |
|------------------------------------------------------------------------------------|----------------------|--------------------------------------------------|---------|
| PENNSYLVANIA<br>PHILADELPHIA<br>TEMPLE UNIVERSITY<br>CA71008-01                    | BOYER, NORMAN H      | MICROANGIOGRAPHY OF CAPILLARIES:                 | K04     |
| INSTITUTION TOTAL                                                                  | 1                    |                                                  |         |
| CITY TOTAL                                                                         | 1                    |                                                  |         |
| STATE TOTAL                                                                        | 2                    |                                                  |         |
| TEXAS<br>HOUSTON<br>BAYLOR COLLEGE OF MEDICINE<br>AI70335-01A1                     | MARTIN, RUSSELL R    | LEUKOCYTES AND MACROPHAGES IN HOST DEFENSE       | K04     |
| INSTITUTION TOTAL                                                                  | 1                    |                                                  |         |
| UNIVERSITY OF TEXAS SYSTEM--UNIVERSITY OF TEXAS SYSTEM CANCER CENTER<br>CA71007-01 | GUTTERMAN, JORDAN U  | TUMOR IMMUNITY AND IMMUNOTHERAPY OF HUMAN CANCER | K04     |
| INSTITUTION TOTAL                                                                  | 1                    |                                                  |         |
| CITY TOTAL                                                                         | 2                    |                                                  |         |
| STATE TOTAL                                                                        | 2                    |                                                  |         |
| WASHINGTON<br>SEATTLE<br>UNIVERSITY OF WASHINGTON<br>EY39039-01A1                  | HENDRICKSON, ANITA E | DEVELOPMENT OF PRIMATE RETINA                    | K04     |
| INSTITUTION TOTAL                                                                  | 1                    |                                                  |         |
| CITY TOTAL                                                                         | 1                    |                                                  |         |
| STATE TOTAL                                                                        | 1                    |                                                  |         |
| TOTAL                                                                              | 26                   |                                                  |         |

NIH  
MEDICAL LIBRARY GRANTS

DOLLARS  
AWARDED

| GRANT NUMBER                                                                                                    | PRINCIPAL INVESTIGATOR     | TITLE OF RESEARCH PROPOSAL                   |       |
|-----------------------------------------------------------------------------------------------------------------|----------------------------|----------------------------------------------|-------|
| CONNECTICUT<br>NEWTOWN<br>CONNECTICUT STATE DEPARTMENT OF MENTAL HEALTH--FAIRFIELD HILLS HOSPITAL<br>LM02318-01 | THORNHILL, ANNETTE         | MEDICAL LIBRARY RESOURCE IMPROVEMENT SUPPORT | 3,183 |
| INSTITUTION TOTAL                                                                                               | 1                          |                                              | 3,183 |
| CITY TOTAL                                                                                                      | 1                          |                                              | 3,183 |
| STATE TOTAL                                                                                                     | 1                          |                                              | 3,183 |
| MINNESOTA<br>ALEXANDRIA<br>DOUGLAS COUNTY HOSPITALS<br>LM02386-01                                               | THOMPSON, MICHAEL          | MEDICAL LIBRARY RESOURCE IMPROVEMENT SUPPORT | 2,933 |
| INSTITUTION TOTAL                                                                                               | 1                          |                                              | 2,933 |
| CITY TOTAL                                                                                                      | 1                          |                                              | 2,933 |
| MINNEAPOLIS<br>ST. LOUIS PARK MEDICAL CENTER RESEARCH FOUNDATION<br>LM02160-01                                  | ANDERSON, ELAINE           | MEDICAL LIBRARY RESOURCE IMPROVEMENT SUPPORT | 3,000 |
| INSTITUTION TOTAL                                                                                               | 1                          |                                              | 3,000 |
| CITY TOTAL                                                                                                      | 1                          |                                              | 3,000 |
| STATE TOTAL                                                                                                     | 2                          |                                              | 5,933 |
| NEW HAMPSHIRE<br>BERLIN<br>ANDROSCOGGIN VALLEY HOSPITAL<br>LM02385-01                                           | MORRISSETTE, SISTER LOUISE | MEDICAL LIBRARY RESOURCE IMPROVEMENT SUPPORT | 3,100 |
| INSTITUTION TOTAL                                                                                               | 1                          |                                              | 3,100 |
| CITY TOTAL                                                                                                      | 1                          |                                              | 3,100 |
| STATE TOTAL                                                                                                     | 1                          |                                              | 3,100 |
| NEW YORK<br>BAY SHORE<br>SOUTHSIDE HOSPITAL<br>LM02388-01                                                       | KLATT, WILMA               | MEDICAL LIBRARY RESOURCE IMPROVEMENT SUPPORT | 2,813 |
| INSTITUTION TOTAL                                                                                               | 1                          |                                              | 2,813 |

NIH  
MEDICAL LIBRARY GRANTS

DOLLARS  
AWARDED

| GRANT NUMBER                                                               | PRINCIPAL INVESTIGATOR | TITLE OF RESEARCH PROPOSAL                   |       |
|----------------------------------------------------------------------------|------------------------|----------------------------------------------|-------|
| CITY TOTAL                                                                 | 1                      | 2,813                                        |       |
|                                                                            |                        |                                              |       |
| NEW YORK                                                                   |                        |                                              |       |
| BUFFALO                                                                    |                        |                                              |       |
| VISITING NURSING ASSOCIATION OF BUFFALO, NEW YORK                          |                        |                                              |       |
| LM02374-01                                                                 | LINDNER, JANET M       | MEDICAL LIBRARY RESOURCE IMPROVEMENT SUPPORT | 1,300 |
| INSTITUTION TOTAL                                                          | 1                      | 1,300                                        |       |
| CITY TOTAL                                                                 | 1                      | 1,300                                        | 1,300 |
|                                                                            |                        |                                              |       |
| ROCHESTER                                                                  |                        |                                              |       |
| NEW YORK STATE DEPARTMENT OF MENTAL HYGIENE--MONROE DEVELOPMENTAL SERVICES |                        |                                              |       |
| LM02391-01                                                                 | GOISMAN, FREDERICK G   | MEDICAL LIBRARY RESOURCE IMPROVEMENT SUPPORT | 3,125 |
| INSTITUTION TOTAL                                                          | 1                      | 3,125                                        |       |
| CITY TOTAL                                                                 | 1                      | 3,125                                        | 3,125 |
| STATE TOTAL                                                                | 3                      | 7,238                                        |       |
|                                                                            |                        |                                              |       |
| VERMONT                                                                    |                        |                                              |       |
| MIDDLEBURY                                                                 |                        |                                              |       |
| PORTER MEDICAL CENTER                                                      |                        |                                              |       |
| LM02390-01                                                                 | REES, THOMAS W         | MEDICAL LIBRARY RESOURCE IMPROVEMENT SUPPORT | 3,200 |
| INSTITUTION TOTAL                                                          | 1                      | 3,200                                        |       |
| CITY TOTAL                                                                 | 1                      | 3,200                                        | 3,200 |
| STATE TOTAL                                                                | 1                      | 3,200                                        |       |
|                                                                            |                        |                                              |       |
| WISCONSIN                                                                  |                        |                                              |       |
| MILWAUKEE                                                                  |                        |                                              |       |
| DEPAUL REHABILITATION HOSPITAL                                             |                        |                                              |       |
| LM02321-01                                                                 | ROBINSON, JAMES A      | MEDICAL LIBRARY RESOURCE IMPROVEMENT SUPPORT | 3,100 |
| INSTITUTION TOTAL                                                          | 1                      | 3,100                                        |       |
| CITY TOTAL                                                                 | 1                      | 3,100                                        | 3,100 |
|                                                                            |                        |                                              |       |
| WAUSAU                                                                     |                        |                                              |       |
| MARATHON COUNTY INSTITUTIONS--MARATHON COUNTY HEALTH CARE CENTER           |                        |                                              |       |
| LM02392-01                                                                 | DE SANTIS, PETER       | MEDICAL LIBRARY RESOURCE IMPROVEMENT SUPPORT | 2,600 |
| INSTITUTION TOTAL                                                          | 1                      | 2,600                                        |       |

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MEDICAL LIBRARY GRANTS

DOLLARS  
AWARDED

TITLE OF RESEARCH PROPOSAL

PRINCIPAL INVESTIGATOR

GRANT NUMBER

|             |    |        |
|-------------|----|--------|
| CITY TOTAL  | 1  | 2,600  |
| STATE TOTAL | 2  | 5,700  |
| TOTAL       | 10 | 28,354 |







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